

19990203.qrp v01\_n356.qrl.990203

Date: Wed, 3 Feb 1999 19:03:32 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1356

QRP-L Digest 1356

Topics covered in this issue include:

- 1) [31828] Re: Who's Who list....some clarification.  
by John M Andrews <n5inz@juno.com>
- 2) [31829] QRO Rigs that operate QRP  
by "E. Andrews" <earlve3ab@igs.net>
- 3) [31830] NC-20  
by "Larry H. Lyda" <wa4pjp@volstate.net>
- 4) [31831] QRPing QRO rigs  
by Bruce Muscolino <w6toy@erols.com>
- 5) [31832] Arkansas Qrp club and CB on 10  
by "Clarence L. Cooper" <cei@nwark.com>
- 6) [31833] Re: Digital Displays - Help!  
by "Steve and Anne Ray" <sbralr@worldnet.att.net>
- 7) [31834] ZM-2 question  
by John Harper AA5YX/2 <aa5yx@juno.com>
- 8) [31835] Re: It's here!!!!  
by Larry Cahoon <wd3p@juno.com>
- 9) [31836] Tixie available from FAR  
by wb8ygg@juno.com
- 10) [31837] For Sale: TenTec Transverter  
by malman@world.std.com (joel malman)
- 11) [31838] Re: QRO Rigs that operate QRP  
by Ron Stark <ku7y@dri.edu>
- 12) [31839] Re: FOX: Fox Tonight?  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 13) [31840] FOX Tues  
by Bob Hightower <ki7mn@extremezone.com>
- 14) [31841] Re: QRPing QRO rigs  
by "John J. McDonough" <jjmcd@tm.net>
- 15) [31842] Re: FOX Tues  
by Ron Stark <ku7y@dri.edu>
- 16) [31843] Fwd: Re: FOX Tues  
by Bob Hightower <ki7mn@extremezone.com>
- 17) [31844] Help For HR License Class  
by Norman Young <normany@mindspring.com>
- 18) [31845] Re: FOX Tues  
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 19) [31846] Re: FOX Tues

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 20) [31847] Re: FOX Tues  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 21) [31848] Morse Express, positives  
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 22) [31849] Re: ZM-2 question  
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 23) [31850] Re: Ham Heros...  
by Donald E Sanders <w4bws@juno.com>
- 24) [31851] FOX - no show?  
by Tom Palmer <n1tp@worldnet.att.net>
- 25) [31852] I Hear The "P" Beacon...No Fox.  
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
- 26) [31853] Re: NC20 Status de K5FO  
by David Fifield <fifield@pacbell.net>
- 27) [31854] Re: It's here!!!!  
by Jess Gypin <jessqrp@concentric.net>
- 28) [31855] Fox  
by Fred J Kalt <w2xn@juno.com>
- 29) [31856] FOX:  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 30) [31857] Re: FOX  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 31) [31858] NC20 Parts List Viewer  
by dave\_epps@juno.com
- 32) [31859] Re: NC20  
by "Tom Samples KB0YZY" <tomsa01@swbell.net>
- 33) [31860] Re: FOX  
by "Timothy J. Pettibone" <tpettibo@NMSU.Edu>
- 34) [31861] Re: Fwd: Re: FOX Tues  
by mwattcpa@earthlink.net (Marty Watt)
- 35) [31862] Geritol WAS Net  
by "Al Gritzmacher" <ae2t@bigfoot.com>
- 36) [31863] ARRL Changes Rule On Batteries for FD  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 37) [31864] Re: OHR 100A  
by Ed Loranger <we6w@juno.com>
- 38) [31865] QSL Info  
by "WILLIAM T. ROSE" <supertec@mail.myriad.net>
- 39) [31866] Re: Ham Heros...  
by N7YA@aol.com
- 40) [31867] Re: FOX:  
by Ron Stark <ku7y@dri.edu>
- 41) [31868] Re: It's here.  
by "James W. Cates" <wager@juno.com>
- 42) [31869] Re: Yagi Uda...  
by dave.g0dja@psilink.co.uk (David J. Ackrill)
- 43) [31870] Re: Contests for next weekend !

by dave.g0dja@psilink.co.uk (David J. Ackrill)  
44) [31871] Re: [31748] Re: Yagi Uda...  
by dave.g0dja@psilink.co.uk (David J. Ackrill)  
45) [31872] Re: It's here!!!!  
by dave.g0dja@psilink.co.uk (David J. Ackrill)  
46) [31873] Re: Yagi Uda...  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
47) [31874] Emtech NW-40 vs Dan's Version  
by wgabriel@dukeengineering.com  
48) [31875] Re: Help For HR License Class  
by "Mike Yetsko" <myetsko@insydesw.com>  
49) [31876] Lemon power  
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>  
50) [31877] K2 reports  
by Peter James <mrpj@mindspring.com>  
51) [31878] Re: Ham Heros...  
by Bruce Kizerian <kizerian@ced.utah.edu>  
52) [31879] Band Open  
by Zack Lau <zlau@arrl.org>  
53) [31880] Trade: HW-9 book for "Joy" or "SSD"  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
54) [31881] Re: FOX - no show?  
by DNT1@daimlerchrysler.com  
55) [31882] Re: FOX:  
by Bruce Rattray <rattray@gpfn.sk.ca>  
56) [31883] Re: Geratol WAS Net.  
by "Ken & Linda Burrough" <ne0c@1st.net>  
57) [31884] AR-QRP Club 40m Net Tonight  
by Robsparks@aol.com  
58) [31885] RE: Lemon power  
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
59) [31886] Son of FireBall:all claimed  
by William-McShan@ouhsc.edu (Mike McShan)  
60) [31887] SST ABX Mod  
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>  
61) [31888] Re: Lemon power  
by Joe Gervais <vole@primenet.com>  
62) [31889] FYBO: Winter QRP Field Day Rules (Re-post)  
by Joe Gervais <vole@primenet.com>  
63) [31890] Counterpoise (Ground my long wire)  
by Vann G Lantz <vlantz@juno.com>  
64) [31891] FYBO: Updated Prize List  
by Joe Gervais <vole@primenet.com>  
65) [31892] Re: FOX - no show?  
by Ed Loranger <we6w@juno.com>  
66) [31893] FYBO: Submitting Results (Summary Sheet Please!)  
by Joe Gervais <vole@primenet.com>  
67) [31894] Operating...

- by Larry East <w1hue@amsat.org>
- 68) [31895] Re: Ham Heros...  
by af852@rgfn.epcc.edu
- 69) [31896] Re: The Bird Feeder Stelth Antenna  
by af852@rgfn.epcc.edu
- 70) [31897] Re: K2 reports  
by Jeff Grudin <grudin@pacific.vdbs.com>
- 71) [31898] Millennium QSO's, Accidental Beacons, Names..  
by Ed Loranger <we6w@juno.com>
- 72) [31899] Re: Counterpoise (Ground my long wire)  
by Vic Rosenthal <rakefet@rakefet.com>
- 73) [31900] NVIS practice rpt updated w/distances  
by Jim Glover <psykey@okcforum.org>
- 74) [31901] NC20 Received [Sort of]  
by Ken Newman <N2CQ@citnet.com>
- 75) [31902] Re: Operating...  
by "Richard Brummer" <obvious@bestweb.net>
- 76) [31903] Re: NC20 Received [Sort of]  
by K2UD@aol.com
- 77) [31904] Sound Blaster Test Gear (freeware)  
by Bill Jones <kd7s@psnw.com>
- 78) [31905] QRP & HO-10 monitor scope ???  
by Patrick M Kvitkauskas <pmk@juno.com>
- 79) [31906] NorCal's February Meeting Announcement  
by Jerry Parker <jparker@fix.net>
- 80) [31907] Re: Geritol WAS Net  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 81) [31908] Hamstick ground planes  
by John McKee <JMckee@RFMD.com>
- 82) [31909] Re: Yagi Uda...  
by "John Moriarity" <k6qq@hdo.net>
- 83) [31910] Re: Lemon power  
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 84) [31911] Lunch time QRP on 20 mtrs Great QRPpp QSO  
by Sam Billingsley <SBillingsley@usaninc.com>
- 85) [31912]  
by William Phinizy <wphinizy@connect3.com>
- 86) [31913] Schematic drawing program  
by Ken Knecht <kenk@primenet.com>
- 87) [31914] K5FO's NC20  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 88) [31915] Re: FOX - no show?  
by DNT1@daimlerchrysler.com
- 89) [31916] Re: Geritol WAS Net  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 90) [31917] Re: Hamstick ground planes  
by "KA5T Larry Wise" <lewise@inetport.com>
- 91) [31918] Fox: Fox alert! Thursday night

by "Michael A. Gipe" <mgipe@reliablemeters.com>

92) [31919] RE: Hamstick ground planes \*\*\*An Alternative \*\*\* The Parking Lot  
Portable Vertical (PLPV)  
by Sam Billingsley <SBillingsley@usaninc.com>

93) [31920] Re: Hamstick ground planes  
by Chris Cartwright <ccart@dns.vidtel.com>

94) [31921] NC20 spreadsheet -> ASCII  
by Allan G Taylor <k7gt@arrl.net>

95) [31922] Re: ARRL Changes Rule On Batteries for FD  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>

96) [31923] NorCal 20 Posts  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

97) [31924] Re: Schematic drawing program  
by Chris Trask <ctrask@primenet.com>

98) [31925] FYBO : Official Prop Forecast to AZ  
by Torell Kent-P12255 <Kent\_Torell-P12255@email.mot.com>

99) [31926] Ferrite Question  
by "Brad Hernlem" <alihernlem@hotmail.com>

100) [31927] Re: Schematic drawing program  
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>

101) [31928] Re: Tech America Specials (solar charger)  
by W5TB <w5tb@SoftHome.net>

102) [31929] Units Conversion Program  
by Larry East <w1hue@amsat.org>

103) [31930] Re: Schematic drawing program  
by John Levreault <jlevro@mediaone.net>

104) [31931] Re: Schematic drawing program  
by Bruce Kizerian <kizerian@ced.utah.edu>

105) [31932] Re: Schematic drawing program  
by Chris Trask <ctrask@primenet.com>

106) [31933] Re: Fox alert! Thursday night  
by "Steve Sorrell" <ap036@detroit.freenet.org>

107) [31934] Re: Lunch time QRP on 20 mtrs Great QRPpp QSO  
by Jim <kj5tf@madisoncounty.net>

108) [31935] Island keyer Layout  
by Ed Loranger <we6w@qsl.net>

109) [31936] Another lunchtime QRPP QSO (2mW's)  
by olyellr@iglou.com

110) [31937] Re: FYBO : Official Prop Forecast to AZ  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>

111) [31938] RE: Schematic drawing program  
by "David Burniston" <davidgb@nortelnetworks.com>

112) [31939] Re: Schematic drawing program  
by applitech@mcg.net (Claton Cadmus)

113) [31940] RE;??  
by RangerSF5@aol.com

114) [31941] COAXIAL DC CONNECTORS  
by Brad Bradfield <b\_bradfield@yahoo.com>

- 115) [31942] Re: Schematic drawing programs  
by Charles Kadesch <chas@digizen.net>
- 116) [31943] NC 20 Parts List Source  
by John Bohnert <johnb@elmhurst.edu>
- 117) [31944] Re: Another lunchtime QRPP QSO (2mW's) "doing the QRP limbo!"  
by Jim <kj5tf@madisoncounty.net>
- 118) [31945] Novelty QRPP contest - RESULTS!  
by Jim <kj5tf@madisoncounty.net>
- 119) [31946] FYBO: AL7FS Wild Berry Chocolate Raffle  
by Joe Gervais <vole@primenet.com>
- 120) [31947] George Heron and Atlanticon apology  
by Chuck Adams <adams@ticnet.com>
- 121) [31948] Re: Lemon power  
by Joe Gervais <vole@primenet.com>
- 122) [31949] Lunch time QRP on 20 mtrs Great QRPPp QSO  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 123) [31950] Homebrewing the NC20  
by John Evans - N0HJ <jaevans@codenet.net>
- 124) [31951] FYBO: SW-x0+ Kit Prize Correction  
by Joe Gervais <vole@primenet.com>
- 125) [31952] Re: Hamstick ground planes  
by "Francis Callahan" <colcal@srv.net>
- 126) [31953] Re: K5FO's NC20  
by Chuck Adams <adams@ticnet.com>
- 127) [31954] Sierra 160m module questions  
by John Evans - N0HJ <jaevans@codenet.net>
- 128) [31955] Re: NorCal 20 Posts  
by Chuck Adams <adams@ticnet.com>
- 129) [31956] Fw: Lemon power  
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 130) [31957] Fw: ARLD005 New DXCC Entity Added  
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 131) [31958] County Hunter Net Procedures  
by Larry Cahoon <wd3p@juno.com>
- 132) [31959] FW: Lemon power  
by Sam Billingsley <SBillingsley@usaninc.com>
- 133) [31960] Re: Lemon power  
by "Rich Clemens" <clemens@wvwc.edu>
- 134) [31961] Lemon-powered K2 ?!!  
by "Radman" <radman@best.com>
- 135) [31962] Re:  
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 136) [31963] Re: Lemon power  
by Joe Gervais <vole@primenet.com>
- 137) [31964] Optimized xcvr??  
by ntan <ntan@crosslink.net>
- 138) [31965] Re: Fox alert! Thursday night  
by "Michael A. Gipe" <mgipe@reliablemeters.com>

-----  
Date: Tue, 2 Feb 1999 17:57:21 -0600  
From: John M Andrews <n5inz@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [31828] Re: Who's Who list....some clarification.  
Message-ID: <19990202.175723.3174.3.N5INZ@juno.com>

On Tue, 2 Feb 1999 14:10:41 -0700 (MST) af852@rgfn.epcc.edu (William R Colbert) writes:

>  
>  
>Need to do equal time since Walter Cronkite,KB2GSD, formerly of  
>CBS news was mentioned, Roy Neal, K6DUE, formerly of NBC News.  
>  
>--  
>Ray Colbert, W5XE  
>00TC 3618, SOWP 1064M  
>El Paso, Tx (FAR WEST TEXAS!)  
>also: w5xe@juno.com  
>  
"Our" own Alan Kaul, also a member of the industry....

N5INZ

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Date: Tue, 02 Feb 99 18:15:52 PST  
From: "E. Andrews" <earlve3ab@igs.net>  
To: qrp-l@Lehigh.Edu  
Subject: [31829] QRO Rigs that operate QRP  
Message-ID: <MAPI.Id.0016.0061726c766533613030303930303039@MAPI.to.RFC822>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

ANY TRANSMITTER will run QRP levels. IE..ICOM 720,725,730 735 and so on..check out an article in a past QRP Quarterly (April 1994) on these rigs. It gets a bit trickier to run STRICTLY QRP out put on SSB with a 100 watt rig because

the least little increase in  
voice amplitude by the operator cause a situation where you are running  
over 10 watts PEP.  
Recently, I bought a whole bunch of 2 WATT Carbon RESISTORS and Im going to  
make  
a 10 db pad so I can run an "HONEST" power level on SSB for contests such  
as FD. Ill have  
to have a relay to switch around this attenuator on RCV. Lately, there has  
been alot of discussion on using the ALC and a control voltage to limit the  
power level. Im not sure if this  
would work 100% on SSB however but im going to look into it before I build  
my attenuator...  
MAYBE someone could fill me in on this one.

-----  
Date: Tue, 2 Feb 1999 19:19:53 -0500  
From: "Larry H. Lyda" <wa4pjp@volstate.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [31830] NC-20  
Message-ID: <000501be4f0a\$eea4d640\$27338cd1@larry>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Everyone is posting that they have received their NC-20 and some already  
have it built. Well, I'm still waiting patiently for mine. Taking bets mine  
is the lucky # 500.

Larry  
WA4PJP

-----  
Date: Tue, 02 Feb 1999 19:33:22 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: QRP-L@LEHIGH.EDU  
Subject: [31831] QRPing QRO rigs  
Message-ID: <36B79952.1A2E@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Didn't I say ANY rig made in since about 1975 with solid state finals.



Why are there so many "My Supercat 250 does it too" posts. What did I miss?

73

-----  
Date: Tue, 2 Feb 1999 18:40:11 -0600  
From: "Clarence L. Cooper" <cei@nwark.com>  
To: "QRO List Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31832] Arkansas Qrp club and CB on 10  
Message-ID: <00c401be4f0d\$d2bca4a0\$8cf49bce@clcooper>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Arkansas Qrp club ? Who, What, When, Where, I know why.

Also I am looking for info on how to convert a CB unit to 10M. If any of you know where to look I would appreciate it.

-----  
Date: Tue, 2 Feb 1999 19:58:48 -0500  
From: "Steve and Anne Ray" <sbralr@worldnet.att.net>  
To: "QRP Group" <qrp-l@lehigh.edu>, <mmartin@internetni.com>  
Subject: [31833] Re: Digital Displays - Help!  
Message-ID: <000d01be4f10\$5c9cbf00\$993b4d0c@steve>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I use two Oak Hills Research DD-1 one with a HW-8 and one with a OHR 100A 30 meter rig. No connection with Oak Hills, just a satisfied customer. If anyone wants my simple buffer circuit for using the DD-1 with my HW-8 just send me a EMail and I will send it to you.

72,

Steve Ray K4JPN ex K1VKW HW-101, HW-8, SWL 30-40,  
Pixie II, NC 38S, OHR 100A 30 M and Heath Kit fan  
Warner Robins, Georgia

-----  
Date: Tue, 2 Feb 1999 20:01:02 -0500  
From: John Harper AA5YX/2 <aa5yx@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [31834] ZM-2 question  
Message-ID: <19990202.200103.14430.0.aa5yx@juno.com>

Hello,

I just finished putting together an Emtech ZM-2 tuner (the NC20 is on the way!) and am pleased to find that it works as well as everyone on the list has claimed. My question concerns the GND/LINK switch. I'm using the tuner with my Norcal 40A and feeding a random wire with a couple radials laid out on the ground. The instructions sort of imply that this switch should be to the right (not GND) when using a random wire but I find that the position of this switch makes no difference in SWR or received signal strength, at least with this particular antenna. When would the difference in switch position be detectable and why does it not seem to matter now?

Thanks for the info

John Harper AA5YX/2           ex: KA5BBL, KI50W, VQ9BL  
Century 21, HW-9, OHR-100A/20m, NorCal 40A, SST/30m  
YashicaMat 124G Info: <http://home.att.net/~j..harper>

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 3 Feb 1999 01:08:07 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [31835] Re: It's here!!!!  
Message-ID: <19990203.010952.18422.1.wd3p@juno.com>

On Tue, 2 Feb 1999 15:44:32 -0800 (PST) Ron Stark <ku7y@dri.edu> writes:

>  
>This is all about having FUN.  
>

>So far I have seen about as many posts complaining about seeing  
>"I got my NC20" posts as I have NC20 posts!! :-)  
>  
>So just post away and let us share in your excitement!

And I'll add, put the filters on now if you don't want to hear any more.  
This is just the start of a long cycle!!!

The next round will be how do I solve this problem, followed by a round  
of answers.

Then we will start hearing about the mods.

Next will be the first QSO stories.

So if you don't like the "it arrived excitement" you are going to be in  
real trouble without a filter on the mail.

As if that will not be enough we will also have the K2 tales. That is the  
nature of the list, guys talking about their fun.....

73 de Larry.....WD3P in MD

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Date: Tue, 2 Feb 1999 20:23:28 -0500  
From: wb8ygg@juno.com  
To: qrp-l@lehigh.edu  
Cc: wb8ygg@juno.com, n2jgu@juno.com, embres@frontiernet.net, farcir@ais.net  
Subject: [31836] Tixie available from FAR  
Message-ID: <19990202.202347.15502.1.wb8ygg@juno.com>

Hi Folks, several people have asked about the Tixie board and it's  
availability.  
Embedded Research Designed the Tixie board, Based on Chuck Ludinsky's  
(K1CL) Modification to the Pixie II design so that it has offset and  
sidetone.  
We never provided a kit.. but the Tixie board and the TICK chip.

To make a long story short, We (Embedded Research ) have given Fred at  
Far circuit the circuit board  
to sell. We have also given him all the documentation that we originally  
sent with the board, and TiCK chip.

This includes the Mouser parts that you can buy to complete the kit for about \$12.00 or so. (incase your junk box is empty)

He sells it for \$5.00 Plus \$1.50 Shipping.

FAR CIRCUITS

Printed Circuit Boards  
18N640 Field Court  
Dundee, Illinois 60118  
(847) 836-9148 Voice/Fax

email: farcir@ais.net

73 everyone.  
Brad WB8YGG

"One of the TICK Guys"  
Brad WB8YGG  
<http://www.frontiernet.net/~embres>  
[embres@frontiernet.net](mailto:embres@frontiernet.net)

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-----  
Date: Tue, 2 Feb 1999 20:50:18 -0500 (EST)  
From: malman@world.std.com (joel malman)  
To: qrp-1@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [31837] For Sale: TenTec Transverter  
Message-ID: <199902030150.AA21561@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

For Sale

TenTec Model 1208 6 meter transverter.

Input is 20 meter CW/SSB (maybe even AM) -- output 6 meter CW/SSB.  
Recommended power out: about 5 watts (QRP). Includes manual and shipping to USA address. Requires: 12 volts DC.

Works fine. Last used 2 weeks ago during the ARRL VHF Sweepstakes.

\$95.00 (firm)

--

/joel K1QM (Ex-wa1qvm) Concord, Massachusetts  
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

-----  
Date: Tue, 2 Feb 1999 17:51:50 -0800 (PST)  
From: Ron Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31838] Re: QRO Rigs that operate QRP  
Message-ID: <Pine.SOL.3.96.990202174055.4668C-1000000@vortex.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, E. Andrews wrote:

> voice amplitude by the operator cause a situation where you are running  
> over 10 watts PEP.  
> Recently, I bought a whole bunch of 2 WATT Carbon RESISTORS and Im going to  
> make  
> a 10 db pad so I can run an "HONEST" power level on SSB for contests such  
> as FD.

Don't forget that the ARRL defines QRP as:

5 watts output or 10 watts input power.

No mention of modes.

So if you want your SSB contacts to go toward any ARRL  
award or to enter the QRP catagory of any ARRL contest,  
you must not use more than 5 watts PEP.

Before saying how all they need to do is change to meet  
what most others are doing, think about this....

ALL scores and awards would become invalad for any  
compairisons. Can't compare results with a 3 db  
difference in power! So it's not a simple thing.

I had a long talk with Billy Lunt last year at  
Dayton.

If you all really do want it changed, start writing

letters! :-)

How do I feel??? Geeeee, I'm glad you asked...

I think QRP should all be 5 watts. While many use math to show that CW and SSB are the same, they really are different. No one compares SSB/CW/RTTY and etc results.

I think the people that got slick talked into going to 10 watts PEP for SSB were just plain silly!

What to do about it now???

Just leave it alone. Nothing can ever be done to please everyone and it works fine the way it is!

Just don't run 10w PEP SSB and wonder why the ARRL put you in the next class up! :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Tue, 2 Feb 1999 20:17:29 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: joel malman <malman@world.std.com>  
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31839] Re: FOX: Fox Tonight?  
Message-ID: <Pine.LNX.3.95.990202201537.23739A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....I thought W5TFB was supposed to be the fox tonight?....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

On Tue, 2 Feb 1999, joel malman wrote:

> Fox Hunters:  
>  
> Is there a Fox hunt tonight? I have not seen any messages about  
> tonights (Tuesday) schedule.  
>  
> --  
> /joel K1QM (Ex-wa1qvm) Concord, Massachusetts  
> QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884  
>

-----  
Date: Tue, 02 Feb 1999 19:23:26 +0000  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [31840] FOX Tues  
Message-ID: <199902030223.TAA10648@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Who 'da FOX? Haven't seen anything from Jack W5TFB yet.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

-----  
Date: Wed, 3 Feb 1999 21:19:51 -0500  
From: "John J. McDonough" <jjmcd@tm.net>  
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31841] Re: QRPing QRO rigs  
Message-ID: <008d01be4fe4\$dcff28c0\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

From: Bruce Muscolino <w6toy@erols.com>

>Didn't I say ANY rig made in since about 1975 with solid state finals.

>Why are there so many "My Supercat 250 does it too" posts. What did I  
>miss?

Well, probably because each rig has it's own quirks, and one may be more convenient than another from a particular individual's point of view.

For example, on my 706MkII ... first, it only goes down to 3 watts without futzing with external pots and the like. That may not be QRP enough for some.

And although Jacob mentioned 'front panel control', it might not be quite so simple as it sounds. What it means is this:

- hold down the 'DISPLAY' button for 2 seconds
- Turn the RIT knob until the display reads Q1 RF POWER
- Turn the tuning dial left until the number changes to L
- Press DISPLAY to see the normal display

Now, this gets to 3 watts. If you want something else, it's messier:

- hold down the 'DISPLAY' button for 2 seconds
- Turn the RIT knob until the display reads Q4 CW PADDLE
- Turn the tuning knob until the n changes to oFF
- Turn the RIT knob until the display reads Q1 RF POWER
- Turn the tuning dial while holding the paddle until the wattmeter shows what you want
- Turn the RIT knob until the display reads Q4 CW PADDLE
- Turn the tuning knob until the oFF changes to n
- Press DISPLAY to see the normal display

This may not be some people's idea of a 'front panel control' but for me, it's a lot more convenient than something on the back or bottom that I have to attack with a diddle stick.

Well, 'nuff of this - time to hunt fox!

72/73 de WB8RCR <http://users.tm.net/jjmcd/>  
didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Tue, 2 Feb 1999 18:28:23 -0800 (PST)  
From: Ron Stark <ku7y@dri.edu>  
To: Bob Hightower <ki7mn@extremezone.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31842] Re: FOX Tues  
Message-ID: <Pine.SOL.3.96.990202182707.5331B-1000000@vortex.dri.edu>



MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, Bob Hightower wrote:

> Who 'da FOX? Haven't seen anything from Jack W5TFB yet.

It's 0225z here and no Fox or Hounds heard here in Nevada.  
And I have it on good authority that it's also a no-show  
in Calif! :-)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Tue, 02 Feb 1999 19:34:41 +0000  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [31843] Fwd: Re: FOX Tues  
Message-ID: <199902030234.TAA12453@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Date: Tue, 02 Feb 1999 19:34:20 +0000  
>To: Ron Stark <ku7y@dri.edu>  
>From: Bob Hightower <ki7mn@extremezone.com>  
>Subject: Re: FOX Tues

>

>At 06:28 PM 2/2/99 -0800, you wrote:  
>>On Tue, 2 Feb 1999, Bob Hightower wrote:

>>

>>> Who 'da FOX? Haven't seen anything from Jack W5TFB yet.

>>

>>It's 0225z here and no Fox or Hounds heard here in Nevada.  
>>And I have it on good authority that it's also a no-show  
>>in Calif! :-)

>>

>Rats! Not in Canada, either. Wanted one of those TX hides to hang on the  
wall.

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

-----  
Date: Tue, 2 Feb 1999 21:40:53 -0500 (EST)  
From: Norman Young <normany@mindspring.com>  
To: qrp-1@Lehigh.EDU  
Subject: [31844] Help For HR License Class  
Message-ID: <1.5.4.16.19990202214057.384788b8@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Our radio club is about to start a zero to Tech + license class for a group of high school students, and I will be one of the instructors. As a former science teacher, I want to do several simple demos to illustrate some of the novice/tech theory.

One thing I had in mind was to do a lemon cell. I recall that some time back, the discussion of homemade batteries was bandied about on the list, and the general conclusion was that such novelty batteries were of little useful value.

After a couple of experiments this weekend, it is easy to see why.

And that leads me to my problem. I put together simple lemon cell using a lemon and two electrodes. The electrodes were copper and zinc, and measured 2 3/8" x 3/8" each. They were sunk into the lemon about 80%. Using an analog meter, I measured about 1.3 volts across the electrodes.

I have seen several web pages which describe such a cell and claim they can light a small light. I was (and remain) skeptical, but I did try to light up a single miniature christmas light (which would light with an AA cell). I didn't expect bright, but I was hoping for something. I got nothing (visible, anyway). Soo...

Is there anyone out there who has played with this sort of thing in the past, and who has been able to show the presence of electricity by some simple means other than a meter? Is it possible to light a small light with a single cell? If so, what kind?

Also, if anyone has any ideas for good demos for teaching novice/tech theory, I'd like to hear them. I have several others in mind from my teaching days, but I'm always open to new ideas. We are going to try to get these kids licensed AND over the code hump, so we want a high interest class to hold their attention. (They will, of course, get a commercial plug for QRP ops!)

If you can offer any help, please email direct, since this is only marginally on topic.

Thanks & 72,  
Norman

\*\*\*\*\*  
Norman Young <><  
KA4PUV  
Zebulon, NC  
\*\*\*\*\*

-----  
Date: Wed, 3 Feb 1999 02:44:37 -0000  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31845] Re: FOX Tues  
Message-ID: <015301be4f1f\$24986460\$c642b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Been up and down between 7.030 and 7.050, still no show in Mich!

-----  
Date: Tue, 2 Feb 1999 20:46:36 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Ron Stark <ku7y@dri.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31846] Re: FOX Tues  
Message-ID: <Pine.LNX.3.95.990202204514.27372A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....it's a no-show in Saskatchewan too.....while you're tuning you can practise how to spell "Saskatchewan" eh?!....HAR!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

-----  
Date: Tue, 2 Feb 1999 20:53:36 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Steve Sorrell <ap036@detroit.freenet.org>  
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion  
<qrp-l@Lehigh.EDU>  
Subject: [31847] Re: FOX Tues  
Message-ID: <Pine.LNX.3.95.990202205204.28061A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...hope Jack is ok...tuning from 7.0250 to 7.050....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

-----  
Date: Tue, 2 Feb 1999 18:58:50 -0800  
From: "Roger A. McCarty" <rmccarty@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "'HomeBrew'"  
<homebrew@qth.net>  
Subject: [31848] Morse Express, positives  
Message-ID: <002001be4f21\$206a3920\$b105b2d1@rmccarty.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just thought I'd let you folks know about my positive experience with Morse Express.

I ordered a couple of Rainbow PK-2 units and accessories on Jan 30th, via the web. The Invoice showed that date as the order entry date. I RECEIVED the package on Feb 1st!

That may not seem that incredible until you realize that Jan 30th was a Saturday. How'd they do that??

Anyway, a tip o' the Hat to Morse Express.

Roger A. McCarty ARS KD6CC

<http://www.qsl.net/kd6cc>

No affiliation with Morse Express and all that.

-----  
Date: Tue, 02 Feb 1999 18:55:18 -0800 (PST)  
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>  
To: John Harper AA5YX/2 <aa5yx@juno.com>  
Cc: CLOFGREN@BENSON.MCKENNA.EDU, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31849] Re: ZM-2 question  
Message-ID: <Pine.PMDF.3.96.990202175515.59990B-100000@BENSON.MCKENNA.EDU>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

On Tue, 2 Feb 1999, John Harper AA5YX/2 wrote:

> My question concerns the GND/LINK switch. I'm using the  
> tuner with my Norcal 40A and feeding a random wire with a couple radials  
> laid out on the ground. The instructions sort of imply that this switch  
> should be to the right (not GND) when using a random wire but I find that  
> the position of this switch makes no difference in SWR or received signal  
> strength, at least with this particular antenna. When would the  
> difference in switch position be detectable and why does it not seem to  
> matter now?  
>

If I recall the ZM-2 schematic correctly, it should make little or no difference with your arrangement.

It might make a detectable difference if you were feeding a balanced line/antenna. Then throwing the switch to the ground position would ground one side of the line if the tuner itself were grounded. Even if the tuner/rig weren't otherwise grounded, throwing the switch to the ground position would connect the tuner ground circuitry, the outer conductor of the coax to the rig, case of the rig itself, key, headphones, etc., to one side of the transmission line. That could lead to significant line imbalance. You might see hand capacitance effects show up on the SWR indicator. The effects would probably be more pronounced if the feedpoint were at a high impedance point along the transmission line (assuming "tuned" feeders).

But with your antenna system, the position of the switch makes little difference because the bottom end of the output link in the ZM-2 is at the "cold" or ground end of the inductor in the multiband tank circuit anyway. Connecting the bottom of the link, which goes to ground, to the ground circuitry in the tuner (via the switch) doesn't upset the circuit, which isn't balanced in the first place. But for the same reason, under some conditions you may find a tendency toward hand capacitance effects and imbalancing of the antenna system when you use the tuner with balanced line, even with the switch in the ungrounded position.

But to complicate it further: if your "ground" connection were not at or close to ground rf potential, you might find that the switch position would make a difference even with your arrangement. And a decent ground connection on 40 meters might not be much good on 10 meters. Etc.

I hope that helps a little, without going into all the details. You might also look at my z-match articles in QRP Quarterly, July 1995, and vol. 5 of the ARRL Antenna Compendium, or my email packet that I can send by return email.

Charlie, w6jjz

-----  
Date: Tue, 2 Feb 1999 20:56:00 -0500  
From: Donald E Sanders <w4bws@juno.com>  
To: af852@rgfn.epcc.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [31850] Re: Ham Heros...  
Message-ID: <19990202.215334.9638.4.w4bws@juno.com>

How about ART COLLINS-late W0CXX.  
He got Maj.Gen. Butch Griswold-K0DWC, Lt. Phil Ferrell--W7PUG,  
Leo Meyerson--W0GFQ (World Radio Labs fame) and Col. Jack  
Bestic- Chief of SAC comm/Electronics to try the first SSB airborne  
tests using a KWS-1 / 75A4 on board a SAC C97 during a round the  
North pole 11,000 mile trip. Communications was established with  
hams all over the USA and 24 foreign countries.  
The date: July 2, 1956 and I have the QSL for the contact when they  
were over Thule, Greenland at 2221 Zulu, signed by Art and Butch.  
That was the big break thru for SSB in the military--and possibly the  
start of the decline for morse.  
The Photo QSL is framed and on the wall right over my KWS-1, SN 0002.  
Not quite QRP, but I hope it is of interest.

Don W4BWS

BTW- Arthur Godfrey was K4LIB, and spoke on his radio  
in a movie with Doris Day.

On Tue, 2 Feb 1999 08:46:26 -0700 (MST) af852@rgfn.epcc.edu (William R  
Colbert) writes:

>As I understand it, from an article in QST many years ago, Mr. Uda  
>developed the concept of the antenna but spoke only Japanese while  
>Mr. Yagi, who had helped him did speak and write in English. So he  
>wrote the antenna up for the Proceedings of the IRE and to this day  
>continues to be credited as the developer of the parasitic beam  
>antenna.

>

>Calls for your list:

>Bob Gundarson of New York - W2JIO

>Frank Lester - W2AMJ/W4AMJ

>Bill Halligan was originally W9AC, and when SK was a W4

>Frank Jones - W6AJF

>Andy Devine - WB6RER (Red Eyed Rooster)

>Walter Cronkite - KB2GSD

>Gen Butch Griswold - K0GRC

>Gen. Lemay was a W6 but don't remember exact call now- maybe EZA but

> can't say for sure now.

>I think Alvino Rey was W6AR - used to live in Camarillo, Ca.

>My personal Elmers in Tifton, GA mid 1950's K4BMD Gene Jones and

>W4ENC Elmer Beck. Both help a lot of young people get their licenses.

>73 and I appreciate your efforts with the celebrity list.

>Ray

>

>--

>Ray Colbert, W5XE

>00TC 3618, SOWP 1064M

>El Paso, Tx (FAR WEST TEXAS!)

>also: w5xe@juno.com

>

-----  
You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----

Date: Tue, 02 Feb 1999 22:06:49 -0500

From: Tom Palmer <n1tp@worldnet.att.net>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [31851] FOX - no show?

Message-ID: <36B7BD49.F2E577DC@worldnet.att.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hear AB5UA, AF5Z, N5TW and WE6W  
near 7.041, but no W5TFB.  
Tom, N1TP, Naples, Florida.

-----  
Date: Tue, 2 Feb 1999 22:07:46 -0800  
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>  
To: <qrp-l@lehigh.edu>  
Subject: [31852] I Hear The "P" Beacon...No Fox.  
Message-ID: <007101be4f3b\$8b1ab280\$3edd4d0c@garymcca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I can hear the "P" beacon on 7.039 but no fox to be had.

Gary  
W2UX  
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

-----  
Date: Tue, 02 Feb 1999 19:10:50 -0800  
From: David Fifield <fifield@pacbell.net>  
To: ags@ieee.org  
Cc: Qrp-l@lehigh.edu  
Subject: [31853] Re: NC20 Status de K5F0  
Message-ID: <36B7BE3A.ED5EC0EA@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gary, I created the file with Excel from Office'97, so that explains why your earlier version can't read it properly. I will post a down rev. version on my www site later tonight. Check it in the morning.



Cheers,  
Dave Fifield, AD6A

Arthur Gary Silvers wrote:

>  
> Tried to open your xls part list with Excel for Windows 95 version 7.0a.  
> Told me it was the wrong format. Any clues?

-----  
Date: Tue, 02 Feb 1999 20:13:35 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: ku7y@dri.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31854] Re: It's here!!!!  
Message-ID: <36B7BEDF.75600ED5@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I agree. One of the few messages that I am reading are all of the ones on the K2 and the NC20, OHR500, and all. I want to read about the new kits and I like seeing the impressions and the enthusiasm. The reason that I am on this list and not a lot of others is that it is entertaining and free flowing. How many of you have been or still are on the CW reflector? Take a hint and lighten up, it's all for fun! Post away!

Jess

Ron Stark wrote:

> > >That's assuming each owner will limit themselves to one message.  
>  
> > >> By my calculations, we have yet to receive 485 more "I just got my  
> > NorCal 20!" emails...  
>  
> >  
> > Agreed! I don't mean to be a party pooper, but this is getting excessive!  
> >  
>  
> This is all about having FUN.  
>  
> So far I have seen about as many posts complaining about seeing  
> "I got my NC20" posts as I have NC20 posts!! :-)  
>  
> So just post away and let us share in your excitement!

>  
> Just my 2 cents worth....  
>  
> 73, Ron, SOWP 5545M,  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

--

Jess N0TFI <><

<http://www.concentric.net/~jessqrp> Personal Home page

<http://qsl.net/n0tfi/bug.html> Bug Stories

-----  
Date: Tue, 2 Feb 1999 22:16:25 -0500  
From: Fred J Kalt <w2xn@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [31855] Fox  
Message-ID: <19990202.221625.-673489.1.w2xn@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Awfully quiet in Lakeland, FL too. I have been wanting to get one of those pesky texas pelts.

Haven't heard from N1TP or KE4KSM here in FL about fox. Maybe they got the fox, like they always do, and just decided to be quiet and let us look.

Fred W2XN  
Lakeland, FL  
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP  
#233 QRP-L #1728  
My Web Page:  
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

-----  
Date: Tue, 2 Feb 1999 21:20:05 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [31856] FOX:  
Message-ID: <Pine.LNX.3.95.990202211648.31162A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....ok, ok....I'll make the big sacrifice!....I'll stop tuning for Jack  
and go get a cup of tea, relax in front of the big tube....(Mary knows  
what I'll really be doing)....and then the fox will appear and you can all  
tell me tomorrow how he had a terrific signal and you ALL worked  
him!....so here I go....have fun!!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

-----  
Date: Tue, 2 Feb 1999 22:26:49 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: //QRP-L Discussion Group <QRP-L@Lehigh.edu>, "+Doc W.D. Lindsey/K0EVZ"  
<70511.3041@compuserve.com>  
Subject: [31857] Re: FOX  
Message-ID: <199902022231\_MC2-68E8-6E3C@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

Jack W5TFB still not heard here at 0321. Went back to see what his  
operating frequency was last time (11/25/98) at he was \*then\* on 7036.5.  
But no joy yet tonight. Lots of signals but no FOX yet. Fingers crossed.

72/73,  
--Doc Lindsey/K0EVZ  
DSBF  
P.O. Box 7187  
Bismarck, ND 58507  
E-Mail 70511.3041@compuserve.com

-----

Date: Tue, 2 Feb 1999 19:48:07 -0800  
From: dave\_epps@juno.com  
To: qrp-1@lehigh.edu  
Subject: [31858] NC20 Parts List Viewer  
Message-ID: <19990202.194808.-148753.0.dave\_epps@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Tks for putting this out Dave. Looks like you went to a lot of work  
"AGAIN".

This list is great and anyone building the NC20 could benefit from having  
it. I made one for inventory check-off and one for installation  
check-off.

I had to get a viewer from the link on [www.elecrafter.com](http://www.elecrafter.com)  
dave ab5pc fresno, ca.

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Tue, 2 Feb 1999 21:50:19 -0600  
From: "Tom Samples KB0YZY" <tomsa01@swbell.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [31859] Re: NC20  
Message-ID: <199902030350.VAA04324@mail-gw2adm.rcsntx.swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave (K5FO),

I got your spreadsheet and want to say thks, Ive been working off a photo  
copy of the parts list in the manual. This way I dont get my orig manual  
all marked up. Ive got my NC20 assembled to section 13, I wound the  
torrids at work yesterday, got a lot of questions from my coworkers. I  
used the red wire for the main windings, then used the green wire for the  
smaller link turns. Easier to see and count. I did have a prob with the  
VFO buffer-amp output, could only get about 0.6 vdc, should have listened  
to Chucks advice, anyway found I put wrong resister in to R14. Iam double  
checking each part now prior to soldering.

I want to say thankyou to the Norcal team for putting another great kit out.

Tom Samples, KB0YZY

-----  
Date: Tue, 02 Feb 1999 21:01:06 -0700  
From: "Timothy J. Pettibone" <tpettibo@NMSU.Edu>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31860] Re: FOX  
Message-ID: <36B7CA02.D8FEF6AD@nmsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Doc:

Don't think he's there tonight (0357z). Hoping it's not a personal or family emergency. Probably something like last minute work emergency. Heaven forbid that this NM Aggie would ever think a Texas Aggie could have screwed up and forgotten the hunt!

Tim K50I  
Las Cruces, NM

-----  
Date: Wed, 03 Feb 1999 04:40:48 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: qrp-l@lehigh.edu  
Subject: [31861] Re: Fwd: Re: FOX Tues  
Message-ID: <36b7d31e.169226222@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

On Tue, 02 Feb 1999 19:34:41 +0000, Bob Hightower <ki7mn@extremezone.com> wrote:

>Rats! Not in Canada, either. Wanted one of those TX hides to hang on the  
>wall.=20

Conitions can't be too bad -- I have the St. Louis Tuner set to DL (Dummy Load), and still hear N3INI from PUNXSUTAWNEY PA!

Lessee, If KM7W comes out of his burrow on Feb. 2 and hears a station on =  
his  
dummy load in Punxsutawney, Pennsylvania, doesn't that forecast 6 more =  
weeks of  
hot propogation and bone-chilling FYBO contesting?

(report at 0256 Z, 2/3/99 or 8:56p CST 2/2/99)

--

72 es 73 de Marty, KM7W

-----=  
-----  
Memphis, Tennessee =  
<http://home.earthlink.net/~mwattcpa>  
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =  
EM55ce  
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =  
Vengeance"  
Member -- Tennessee Contest Group

-----  
Date: Tue, 2 Feb 1999 03:58:08 -0500  
From: "Al Gritzmacher" <ae2t@bigfoot.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [31862] Geritol WAS Net  
Message-ID: <001201be4f31\$ec790ae0\$485502d1@ae2t>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jim, KJ5TF wrote:

I was told the "Geritol net" was a good one for WAS. I dont know much  
about that myself. Hopefully someone will come forward and fill us in  
on some good nets for chasing WAS.

=====

As keeper of the web page for the Geratol Net (<http://skyport.com/geratol/>)  
I guess I can add some insight to that.

First, please note the spelling of the name: GERATOL which stands for  
"Greetings Extra Radio Amateurs Tired of Operating Lately." - Not to be  
confused with the name of the infamous elixir.

The Geratol Net meets on 3.768 +/- MHz. every night except during the summer months, although you will find activity there even then. It is a SSB net and was started to promote the use of the Extra-class exclusive subband of 75 meters.

The ARRL at the time, offered a special version of it's WAS award for working all states in this subband with extra class operators who held 1x2 call signs. 2x1 and 2x2 A calls have since been added. The ARRL stopped offering this award a couple of years ago, but it continues to be given by the net.

While I wouldn't say it can't be done - someone probably has already done it - it's not an easy feat for QRP operation. First of all, it's specifically a SSB award. Second, it's limited to an Extra class subband and therefore excludes many operators. You will find many operators there, however, that might be willing to make a sked for another band, or to try QRP, say on CW, if you ask them nicely!

WAS nets available to General class operators, such as the 3905 Century Club (meets on 75 and 40 meters) and the HHH Net (40 meters) might be of more use to members on this list. They are both SSB as well and have web pages for details.

HHH Net: <http://www.qsl.net/triplehhh/index.html>

3905 Century Club: <http://www.kis.net/kd3o>

There probably are more that I'm not aware of.

72,

Al Gritzmacher, AE2T  
Lockport NY - Niagara Co. FN03  
Geratol #1800 QRP-L #1664

-----  
Date: Tue, 2 Feb 1999 20:58:09 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Cc: "'w7el@teleport.com'" <w7el@teleport.com>  
Subject: [31863] ARRL Changes Rule On Batteries for FD  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Roy Lewallen just sent me this message and asked that I post to the =  
list.

Here it is and congratulations Roy. 72, Doug, KI6DS

-----  
Doug,

Good news! I wonder if you'd be so kind as to post this on the QRP-L -- =  
thanks!

73,

Roy, W7EL

-----  
I was just notified by Bill Kennamer, K5FUV of the ARRL that Field Day =  
rule 6.7 has been changed to the wording I had proposed, which was:  
6.7. For all classes except Class D, batteries charged during the Field =  
Day period must be charged from a power source independent of the =  
commercial mains.

It will be effective for the 1999 Field Day. For the first time, we can =  
connect solar panel, battery, and rig together and operate within the =  
Field Day rules. (I'm embarrassed to admit that I ignorantly =  
misinterpreted the rule and have operated with this illegal connection =  
for the past 20 years. Anyone whose score is below mine in any Field Day =  
listing should advance his score one notch.)

I want to thank everyone who worked to get this change made, including =  
Dan Henderson, N1ND of the ARRL; Contest Advisory Committee members Tim =  
Duffy, K3LR and Lew Sayre, W7EW; Northwest Division Director Greg =  
Milnes, W7AGQ; Doug Hendricks, KI6DS, and many others who I'm sure =  
worked behind the scenes to make it happen. Mary Lou Brown, NM7N, =  
Director until her recent death, was also very supportive. And many =  
thanks to all those folks who sent supporting comments to the CAC and/or =  
the ARRL.

Finally, I want to emphasize that this wasn't my idea! I was approached =  
two or three years ago at Pacificon by one or two QRPers who expressed =  
their unease with the existing rule about not charging batteries while =  
operating. I'm very sorry, but I don't remember who it was! If you'll =  
come forward and remind me who you were, I'd really like to give the =  
credit for the idea to whom it's due. All I did was what I do best-be a =  
royal pain in the --- (to which several on the "thanks" list are =  
vigorously nodding "Amen!")

Thanks, all! See you on Field Day!

73,

Roy Lewallen, W7EL

-----



Date: Wed, 03 Feb 1999 00:33:59 EST  
From: Ed Loranger <we6w@juno.com>  
To: tf3vst@vortex.is  
Cc: qrp-1@Lehigh.EDU  
Subject: [31864] Re: OHR 100A  
Message-ID: <19990202.213130.4775.2.we6w@juno.com>

Villi, you have the right attitude. And I just read Chuck's nice post on enjoying winding toroids! Me too!

It is fun, and I did the same as Chuck :) I scraped the first two toroid wires then decided to try the solder stripping method since the kit comes with that "special" solder/heat strippable coating. Works very nicely.

Add the extra turn, it is soooooo easy to take it off, but re-winding that core to put it on will use up what spare wire you have in the kit. You only need to desolder one side of the VFO coil and un-thread a turn if need be.

I hope you read my posts on the little trimmer caps and where "Half-meshed" is on them so you get plenty of room tuning after centering the frequency by tuning the toroid first.

And don't forget to anchor them turns. OH, I also added wire ground on the IF Xtals, though I think all of them should have the can grounded. Touch one and you'll pick up a local AM station.

Have a great time building it. 72/Ed  
72, Ed WE6W, AR Millennium QSO's=291/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

On Tue, 2 Feb 1999 22:44:09 -0000 tf3vst@vortex.is (Villi Idunni) writes:

>Guys,  
>I'm just beginning to assemble my 20m OHR 100A rig.  
>I will do it slowly, and enjoy every minute of it. Guess I will use as  
>many  
>days at least as Ed's hours.  
>So, any advise from you wise elders -- any pits to avoid.  
>What about the extra turn on L114, does that apply to 20m?  
>  
>72 - Villi TF3VS  
>

>  
>

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Tue, 02 Feb 1999 23:43:23 -0600  
From: "WILLIAM T. ROSE" <supertec@mail.myriad.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31865] QSL Info  
Message-ID: <36B7E1FB.D45C21FB@mail.myriad.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hey Guys and Gals

Do any of you know KF4HQS? At lest that is what I copied about a dozen times in our QSO on 7.0345 at 0400 to 0424 UTC this gentleman said his QTH was Jones borough, TN and I some how missed writing down his Name.

When I checked QRZ data base to send him a QSL card I get a person in North Carolina.

It could be the same person but I don't know So if anyone know what the real address is or if he monitors this list I would like to

have the QSL information so I can send the nice gentleman a Card.

He

said he was retired Army and 54 years Young. He had such a nice fist too.

--

KC5SCC .....BILL  
"Deep in the Heart of Texas" BRYAN, TX  
Emtech 80/20 80m & 40m ---Knightlite Smite 80m ---Pixie II 40m  
Kenwood TS520 --Kenwood TS700SP 2m --Icom ic-w21at 2m/70cm  
Ant. 80m Gnd Delta loop--Hamstick 40m dipole--Tucker Vub-2 2m  
Crushcraft A14820T 2m Beam

-----  
Date: Wed, 3 Feb 1999 01:06:28 EST  
From: N7YA@aol.com  
To: qrp-l@lehigh.edu  
Subject: [31866] Re: Ham Heros...

Message-ID: <b0d1152f.36b7e764@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 2/2/99 8:16:05 PM Pacific Standard Time, w4bws@juno.com writes:

<< Leo Meyerson--W0GFQ (World Radio Labs fame) >>

Thats the one i was trying to remember!! he designed the old Galaxy V tube rig...i had one years ago! someone said it was 400 w. out, but i was never really sure. i was only 18 when i owned it and Frank, KL7FH did some mods to it....then i lost track of it. i think Mike, KL7HFA still has it....who knows.

but i really liked that old rig...picked it up at a swap meet in Anchorage in the early 80's and worked a lot of good dx on it. so i second Leo's name!

73...Adam, N7YA

-----  
Date: Tue, 2 Feb 1999 23:04:42 -0800 (PST)  
From: Ron Stark <ku7y@dri.edu>  
To: Bruce Rattray <rattray@gpfn.sk.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31867] Re: FOX:  
Message-ID: <Pine.SOL.3.96.990202230301.7373B-100000@vortex.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, Bruce Rattray wrote:

> ....ok, ok....I'll make the big sacrifice!....I'll stop tuning for Jack  
> and go get a cup of tea, relax in front of the big tube....(Mary knows  
> what I'll really be doing)....and then the fox will appear and you can all  
> tell me tomorrow how he had a terrific signal and you ALL worked  
> him!....so here I go....have fun!!

Hi Bruce,

Wow, did that ever make the difference! There for awhile I thought I was going to miss him.

Thank you, Thank you....

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Tue, 2 Feb 1999 23:04:13 -0800  
From: "James W. Cates" <wager@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31868] Re: It's here.  
Message-ID: <19990202.230426.-178181.11.wager@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Shucks, right now, those messages are my favorite reading material.

jim, WA6GER

-----  
Date: Wed, 03 Feb 1999 11:26:34 -0800  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu  
Subject: [31869] Re: Yagi Uda...  
Message-ID: <E1080QW-0003qF-00@relay2.mail.uk.psi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Don't worry Adam,

I would think we've all done something similar at some time. HI!

I does show how misconceptions and errors can become 'truth' within a short space of time. If you haddn't found out you might have passed it on to someone else, who would tell someone else, believing it because you obviously knew what you were telling him was 'true' !

There's an short, but interesting description (well, interesting to me anyway. :o) ) of the Yagi-Uda experiments in the book 'Antennas', by John Kraus - ISBN 0-07-035422-7 (I seem to think he has an Amateur licence, but it's not mentioned in the section About The Author) on pages 481 to 483, section 11-9b.

I believe that what John has written is true, going back to my original point, but there are references to other papers written by Uda and Yagi, so you could check the accuracy if you wanted. :o)

Cheers de Dave (G0DJA)

-----  
Date: Wed, 03 Feb 1999 11:26:33 -0800  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu  
Subject: [31870] Re: Contests for next weekend !  
Message-ID: <E1080QU-0003qF-00@relay2.mail.uk.psi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Not a flame about the WAS net procedure, just another thought about 'Phantom' contacts.

Being basically a VHF CWer at heart I have a problem with the habit, that I've mainly heard on HF of only sending the last three figures of your callsign, and never actually sending the other stations callsign that you are trying to work, or hearing back your own full call.

I'm sure I've heard two stations in a pile up work each other, thinking the other was some DX or other!

To my way of looking at the problem, if there isn't enough time to exchange at least full callsigns and a report, then there isn't enough time for a QSO at all.

:o)

Cheers de Dave (G0DJA)

-----  
Date: Wed, 03 Feb 1999 11:26:36 -0800  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu  
Subject: [31871] Re: [31748] Re: Yagi Uda...  
Message-ID: <E1080QY-0003qF-00@relay2.mail.uk.psi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

"L. B. Cebik" <cebik@utkux.utcc.utk.edu> said, in part:

> Actually, Uda made the initial discoveries. Then Yagi and Uda teamed up  
> for a number of papers.

Sorry about duplicating the information, it's what comes of answering posts from the digest before reading all the messages. HI! (It would be a little impractical to read the whole lot first, and go back, though with over 120 messages per day....)

Hope that the book reference was useful.

Cheers de Dave (G0DJA)

-----  
Date: Wed, 03 Feb 1999 11:26:39 -0800  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu  
Subject: [31872] Re: It's here!!!!  
Message-ID: <E1080Qa-0003qF-00@relay2.mail.uk.psi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>By my calculations, we have yet to receive 485 more "I just got my NorCal 20!"  
>emails...  
>  
>:-)

Ah, but how many 'It hasn't arrived, because I didn't order one' are we going to get. :o)

I missed the NC20 offer, so guess I need to await the NC160M-70cm replacement for the Kencomsu now? (Only kidding, I think....)

I know I've asked before, but can someone remind me of the UK 'agent' for Norcal and ARCI please? I used to subscribe to both, but let my subscriptions lapse a while ago.

Thanks - De Dave (G0DJA)

-----  
Date: Wed, 3 Feb 1999 06:41:32 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: "David J. Ackrill" <dave.g0dja@psilink.co.uk>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31873] Re: Yagi Uda...  
Message-ID: <Pine.GS0.3.96.990203063509.26525A-1000000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dave,

Krauss is (W)8JK, of 8JK flattop fame--among his multitudinous contributions to understanding antennas. His 2nd Ed is still available and is a must for those who wish to go beyond the ARRL Antenna Book (which is good in its own right) in understanding antennas. It even has a chapter on the basics of method-of-moments calculation techniques, for those who wish to understand the technique (but not the specific algorithms used) in developing the NEC core that is basic to computerized calculation (modeling) of antennas.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off)(423) 974-7215
1434 High Mesa Drive	/ \ / \	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ /    /	(FAX)(423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL:	<a href="http://web.utk.edu/~cebik/radio.html">http://web.utk.edu/~cebik/radio.html</a>		

-----  
Date: Wed, 3 Feb 1999 08:14:57 -0500  
From: wgabriel@dukeengineering.com  
To: qrp-l@Lehigh.EDU  
Subject: [31874] Emtech NW-40 vs Dan's Version  
Message-ID: <8525670D.0048C833.00@dpinet01.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I've seen a number of notes over time that compare the price of the Emtech NW-40 (or other bands) to the version sold by Dan's -- I think called the NW8020 in his flyer...the latter being cheaper as a PWB/parts kit than the Emtech kit. I guess a few recent notes prompted me to write this one.

I just wanted to clarify that what you get in these two kits is not exactly the same unless something has changed in the last year or two. Back when I was looking at this rig I found that the version sold by Roy/Emtech was a newer version than the one sold at Dan's. Dan's kit was basically a reproduction of the original NW8020 article Roy wrote in QRPp. Since that time Roy made a number of refinements to the rig and these were incorporated into later PWB designs. One significant mod was the addition of another stage of IF amplification using an FET that was not in the original design. Back when I looked, this addition was not in the Dan's version.

He also added variable bandwidth and some other mods that I would have to go back and figure out before trying to talk much about them. Things that come to mind are easier addition of the audio filter PWB option, some mods in one of the xmtr driver stages, provision to use a power FET in the output stage instead of a bipolar transistor, etc, but I would have to go back and check these out. I don't think, without checking, that these are included in the Dan's version either. It has been around 2 years!

Not flaming the Dan's kit at all -- I order lots of stuff from him. I just wanted to make some of the "newbies" aware of what they are really looking at when advice given is something like "you can get the NW40 cheaper at Dan's" and that is the only qualifier given. Both rigs work -- they are not just quite the same.

Thanks -- Watson/WB4EXW

-----  
Date: Wed, 3 Feb 1999 08:24:12 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <normany@mindspring.com>, "QRP Mail List" <qrp-l@Lehigh.EDU>  
Subject: [31875] Re: Help For HR License Class  
Message-ID: <004901be4f78\$7d7bfca0\$8805010a@myetsko.insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I don't think you'd ever be able to light a christmas tree light. First off, consider the voltage. The 30 string lamps are in series and if it's a full string, that means 120vac /30 or 4v per bulb. The 100 light strings are usually multiple strings so they are still way up there.

Try an LED, and not a high intensity one. A mini-LED with



no series resistor. I seriously doubt a lemon could burn one out.

On a wierd note, similar to the lemon, ever see the Popular Mechanics article about the late 60's speculating that there would be wrist TV's. Powered by electrodes in the skin.....

Mike Yetzko  
N1DVJ

-----Original Message-----

From: Norman Young <normany@mindspring.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Tuesday, February 02, 1999 9:46 PM  
Subject: Help For HR License Class

>Our radio club is about to start a zero to Tech + license class for a group  
>of high school students, and I will be one of the instructors. As a former  
>science teacher, I want to do several simple demos to illustrate some of  
the  
>novice/tech theory.

>  
>One thing I had in mind was to do a lemon cell. I recall that some time  
>back, the discussion of homemade batteries was bandied about on the list,  
>and the general conclusion was that such novelty batteries were of little  
>useful value.

>After a couple of experiments this weekend, it is easy to se why.

>  
>And that leads me to my problem. I put together simple lemon cell using a  
>lemon and two electrodes. The elctrodes were copper and zinc, and measured  
>2 3/8" x 3/8" each. Thew were sunk into the lemon about 80%. Using an  
>analog meter, I measured about 1.3 volts across the electrodes.

>  
>I have seen several web pages which deccribe such a cell and claim they can  
>light a small light. I was (and remain) skeptical, but I did try to light  
>up a single miniature christmas light (which would light with an AA cell).  
>I didn't expect bright, but I was hoping for something. I got nothing  
>(visible, anyway). Soo...

>  
>Is there anyone out there who has played with this sort of thing in the  
>past, and who has been able to show the presence of electricity by some  
>simple means other than a meter? Is it possible to light a small light  
with  
>a single cell? If so, what kind?

>  
>Also, if anyone has any ideas for good demos for teaching novice/tech  
>theory, I'd like to hear them. I have several others in mind from my

>teaching days, but I'm always open to new ideas. We are going to try to  
get  
>these kids licensed AND over the code hump, so we want a high interest  
class  
>to hold their attention. (They will, of course, get a commercial plug for  
>QRP opns!)

>

>If you can offer any help, please email direct, since this is only  
>marginally on topic.

>

>Thanks & 72,  
>Norman

>

>

>\*\*\*\*\*  
>Norman Young <><  
>KA4PUV  
>Zebulon, NC  
>\*\*\*\*\*  
>  
>

-----

Date: Wed, 03 Feb 1999 08:48 -0500 (EST)  
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>  
To: QRP-L@lehigh.edu  
Subject: [31876] Lemon power  
Message-ID: <19990203135101.FLIK6156@localhost>

Hello all QRP lovers!

As far as the lemon thing goes, I suppose you could parallel and series  
up the fruit. Surely you could put more strips in each lemon, and get  
a whole bunch of lemons, each with 6 or 8 strips.

Anyone ever power a qrp rig with breakfast?

Might their be bonus points on field day for a healthy, all natural  
power source?

Just think about the latent power of a pineapple, just waiting to be  
tapped.....

Brett  
N2DTS

-----

Date: Wed, 03 Feb 1999 08:52:48 -0600

From: Peter James <mrpj@mindspring.com>  
To: qrp-1@lehigh.edu  
Subject: [31877] K2 reports  
Message-ID: <3.0.5.32.19990203085248.007aa4c0@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've noticed that at least one person has completed their K2 kit. Any comments on the operation of the kit? Alignment problems etc. In general an overview of the kit and its operation, please.

Thanks for the info.

73, 72, Pete, WM4U

-----  
Date: Wed, 03 Feb 1999 06:52:14 -0700  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: N7YA@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31878] Re: Ham Heros...  
Message-ID: <36B8548E.501416CC@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have a Galaxy V in very good condition. Needs a bit of work, but should be up and running soon. (if I can find the time). It truly is a thing of beauty. Definitely NOT QRP though.

Bruce kk7zz

N7YA@aol.com wrote:

> In a message dated 2/2/99 8:16:05 PM Pacific Standard Time, w4bws@juno.com  
> writes:  
>  
> << Leo Meyerson--W0GFQ (World Radio Labs fame) >>  
>  
> Thats the one i was trying to remember!! he designed the old Galaxy V tube  
> rig...i had one years ago! someone said it was 400 w. out, but i was never  
> really sure. i was only 18 when i owned it and Frank, KL7FH did some mods to  
> it....then i lost track of it. i think Mike, KL7HFA still has it....who  
> knows.  
> but i really liked that old rig...picked it up at a swap meet in Anchorage

> in the early 80's and worked a lot of good dx on it. so i second Leo's name!  
>  
> 73...Adam, N7YA

-----  
Date: Wed, 03 Feb 1999 08:59:56 -0500  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@lehigh.edu  
Subject: [31879] Band Open  
Message-ID: <36B8565C.BA4DC4CD@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

G0WBC/4w to g5rv was 569 into Newington on 21.065 at 1345Z 2/3/99--Zack  
W1VT

-----  
Date: Wed, 3 Feb 1999 08:00:46 -0600  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [31880] Trade: HW-9 book for "Joy" or "SSD"  
Message-ID: <BB6584384834D211AFC00000F8BDCA842B2E83@alrsrv02>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

This is a long shot, but ..... I wish to trade a copy of the HW-9 manual (assembly, parts etc) purchased from W7FG vintage manuals for "The Joy of QRP" or "Solid State Design..." . I bought this manual over a year ago and didn't get anywhere near an HW-9. It cost about \$22.00 and has been protected. Please email direct if possible.

Steve KC5TTY Elgin, Oklahoma  
brockwse@fssec.army.mil

-----  
Date: Wed, 3 Feb 1999 09:03:21 -0500  
From: DNT1@daimlerchrysler.com  
To: qrp-1@Lehigh.EDU  
Subject: [31881] Re: FOX - no show?

Tom, N1TP wrote:

[illegible]

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

On Tue, 2 Feb 1999, Ron Stark wrote:

> On Tue, 2 Feb 1999, Bruce Rattray wrote:

>

> > ....ok, ok....I'll make the big sacrifice!....I'll stop tuning for Jack  
> > and go get a cup of tea, relax in front of the big tube....(Mary knows  
> > what I'll really be doing)....and then the fox will appear and you can all  
> > tell me tomorrow how he had a terrific signal and you ALL worked  
> > him!....so here I go....have fun!!

>

> Hi Bruce,

>

> Wow, did that ever make the difference! There for awhile I thought  
> I was going to miss him.

>

> Thank you, Thank you....

>

> cul,

>

> 73, Ron, SOWP 5545M,

>

> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

>

-----  
Date: Wed, 3 Feb 1999 09:16:21 -0500

From: "Ken & Linda Burrough" <ne0c@1st.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [31883] Re: Geratol WAS Net.

Message-ID: <002f01be4f7f\$c8ef00e0\$0306f0d1@ne0c.1st.net>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

Hi Gang

Jim, KJ5TF wrote:

I was told the "Geritol net" was a good one for WAS. I don't know much about that myself. Hopefully someone will come forward and fill us in on some good nets for chasing WAS.

The Geritol Net is the best. If you are an Extra Class Ticket holder, = you can work QRP WAS on this net. I got my Geritol Number, 1160 in one = winter using an Hot Water 101 and trapped dipole at 50 foot from Pratt, = Kansas. I was not QRP, but I did it with 100 watts. Give this very = friendly net a try, they are the greatest.

Ken/ne0c  
USAF Retired  
Geritol # 1160  
Flushing, Ohio

-----  
Date: Wed, 3 Feb 1999 09:24:52 EST  
From: Robsparks@aol.com  
To: qrp-1@lehigh.edu  
Subject: [31884] AR-QRP Club 40m Net Tonight  
Message-ID: <31338004.36b85c34@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Following is a list of Arkansas QRP Club nets:

Monday Night	0130Z	3.560 mhz	N9ZZ
Bob AR #1 is NCS			
Wednesday Night	0130Z	7.042 mhz	AB5ZD
Bob AR #277 is NCS			

Non-members are welcome (and encouraged) to check in!

-----  
Date: Wed, 3 Feb 1999 08:29:30 -0600  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: <Brett.Gazdzinski@mci.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [31885] RE: Lemon power  
Message-ID: <000001be4f81\$9e339a30\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I've done "tator power" before. Use red potatoes and you can get pretty steady current production. I was able to power a 50mw 70-meter transmitter using "tator power." Use Copper and Silver as your electrodes, these gave me the highest voltage/current production. I tried copper/zinc, copper/lead, and copper/silver.

Kevin, WB5RUE

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Brett Gazdzinski  
> Sent: Wednesday, February 03, 1999 7:48 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Lemon power  
>  
>  
> Hello all QRP lovers!  
> As far as the lemon thing goes, I suppose you could parallel  
> and series  
> up the fruit. Surely you could put more strips in each lemon, and get  
> a whole bunch of lemons, each with 6 or 8 strips.  
> Anyone ever power a qrp rig with breakfast?  
> Might their be bonus points on field day for a healthy, all natural  
> power source?  
>  
> Just think about the latent power of a pineapple, just waiting to be  
> tapped.....  
>  
> Brett  
> N2DTS  
>

-----  
Date: Wed, 3 Feb 1999 08:46:12 -0600 (CST)  
From: William-McShan@ouhsc.edu (Mike McShan)  
To: qrp-1@Lehigh.EDU  
Subject: [31886] Son of FireBall:all claimed  
Message-ID: <v01540b0cb2ddb59da4d@[32.100.137.96]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,



All of the 28.060 MHz oscillators have been claimed.

Thanks,  
Mike N5JKY  
Edmond, OK

-----  
Date: Wed, 3 Feb 1999 08:48:29 -0600  
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>  
To: <qrp-l@lehigh.edu>  
Subject: [31887] SST ABX Mod  
Message-ID: <000201be4f84\$43d284e0\$8dc9ce80@nathan.missouri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Can anyone tell me what the parts list is for the ABX mod for the SST? I was going to order them up while at work today - I saw mention of the mod online and don't have the SST manual with me (supposedly the manual details this mod). Also, any other information regarding this (perhaps a good description) would be greatly appreciated...does it have any detrimental effects? Oh, and thanks for all of you that wrote me regarding troubleshooting the rig. What a great list...

73,  
Nathan  
KB0NNV

-----  
Date: Wed, 3 Feb 1999 08:09:06 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31888] Re: Lemon power  
Message-ID: <199902031509.IAA07633@usr02.primenet.com>

(Crisis at work folks, fell behind on the digest - will try to catch up ASAP)

Brett (N2DTS) wrote:

> As far as the lemon thing goes, I suppose you could parallel and  
> series up the fruit. Surely you could put more strips in each lemon,  
> [ ... ]  
>  
> Might there be bonus points on field day for a healthy, all natural  
> power source?

The idea intrigues me. I doubt you'll ever see  
ARRL Field Day adopt such a policy, but keep your  
eyes open for upcoming QRP contests.... ;-)

> Just think about the latent power of a pineapple, just waiting to  
> be tapped.....

Hawaii field ops could run a full kilowatt from  
the Dole plantation. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----

Date: Wed, 3 Feb 1999 08:15:31 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [31889] FYBO: Winter QRP Field Day Rules (Re-post)  
Message-ID: <199902031515.IAA07935@usr02.primenet.com>

Howdy Folks,

For those of you without web access, please grab  
a copy of this, since my email response will be  
sketchy at best this week. Please be sure to use  
the FYBO Summary Sheet (see URL below) when you  
send in your logs!

Remember, safety first, followed closely by fun!

(RE-POST FOLLOWS)

=====  
(Full FYBO '99 rules at the bottom...)

Howdy Folks,

Yep, it's coming up on that time of year again. Forget the Year 2000 Bug - FYBO '99 is upon us! Just two short months of planning to go!

"What the heck is FYBO?", you ask. It's the "Freeze Your B\_\_\_ Off" Winter QRP Field Day, sponsored by the AZ ScQRPions!

"Why on earth would you have a field day in the dead of winter?", you ask. Because we're nuts! And it's a ton of FUN! And after all, fun is what it's supposed to be about! With the home ops joining in, it's a great casual day of operating and meeting friends on the air.

And what group is better able to face the challenge of outdoor winter ops than QRPers? Brave, bold, resourceful, dashing.... a mere step away from James Bond or Johnny Quest. :-)

To ensure that you frozen ops are duly rewarded, there's a temperature multiplier based on your lowest operating temperature while on the air. We also raffle off prizes so that everyone has a chance to win, even if you can only make a dozen QSOs.

FYBO Background:

Last year there were well over 2,300 FYBO contacts, with some folks operating from frozen lakes, snowed-in cabins, sledding fields, parked cars, and even warm sunny beaches. Most important of all, everyone had a heck of alot of fun!

Logs poured in from across North America, and many an interesting story accompanied them. We hope to hear you out there this year, whether you're in the field or sitting at home next to a warm fire.

Remember, the whole point is to HAVE FUN! And we field ops are going to need every QSO possible to keep us warm, so you indoor ops are very important to this operation. :-) Bonus points if you tell the Frozen Chosen how warm it is next to your fireplace. \*8-)

This year we've moved the contest period two hours earlier. This will give the east coast critters more time to operate during

daylight hours, and let the west coast crew bag the nice low temps of the early morning.

Start preparing now - operating in winter condx can be tough, and these next two months will go fast.

Oh yeah, did we mention the whole point is to get on the air and have fun? ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

===== FYBO '99 ANNOUNCEMENT =====

The 3rd Annual FYBO (Freeze Your B\_\_\_\_ Off) Winter QRP Field Day

Sponsored by the AZ ScQRPions.

\*\*\* SAFETY FIRST! PLEASE RESPECT THE WX AND YOUR OWN LIMITATIONS! \*\*\*

1400Z Feb 6 to 0200Z Feb 7 (Operate all 12 hours).

QRP HF Only. CW (5W max). QRP calling freqs (no WARC bands).

Categories: Single Op (Home/Field), Multi Op (Home/Field), Novice/Tech+.

Work stations once per band. Score 1 point per QSO.

Exchange RST, State/Province/DXCC Country, first name, power out, and temperature (Fahrenheit) at OPERATOR'S POSITION. Indoor stations must report INDOOR temperature.

Example: 579 AZ Joe 2W 40F

Multipliers:

SPCs (each counts only once overall),

Field Location: x4 (Field per ARRL FD definition),

Alternative Power: x2,

QRPP (less than 1W): x2,

Lowest Operating Temp (at OP'S POSITION):

65+ F = x1;

50-64 F = x2;

40-49 F = x3;

30-39 F = x4;

20-29 F = x5;

Below 20 F = x6.

Final Score: QSOs x SPCs x Temp Multi (x Field) (x Alt Pwr) (x QRPP).

Mail logs by March 7 to: Joe Gervais (AB7TT), PO Box 322, Peoria, AZ 85380. Include station description, category, op(s), and max power out. For more info, email vole@primenet.com or visit <www.extremezone.com/~ki7mn>.

-----  
Date: Wed, 3 Feb 1999 09:08:04 -0600  
From: Vann G Lantz <vlantz@juno.com>  
To: qrp-l@Lehigh.EDU, nogaqrp@qth.net  
Subject: [31890] Counterpoise (Ground my long wire)  
Message-ID: <19990203.091853.10646.5.VLantz@juno.com>

Have I got a question for you. I want to install a long wire antenna at my QTH. My shack is up stairs. How do I ground the long wire antenna?

I have an MFJ 900 antenna tuner that has a long wire and ground wire hookup in the back as well as a PL-259.

Vann Lantz, KF4QHJ, AL - VLantz@Juno.Com  
QRP-L #1790, AR QRP #241  
Ramsey QRP TX, Atlas 210-X RCVR, 40M Dipole  
[Http://members.xoom.com/VLantz/home.htm](http://members.xoom.com/VLantz/home.htm)  
"If there is no God, then who pops up the next Kleenex in the box?"

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 3 Feb 1999 08:22:14 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31891] FYBO: Updated Prize List  
Message-ID: <199902031522.IAA08222@usr02.primenet.com>

Howdy again Folks,

Behold the updated Shameless, Fabulous FYBO Prize List!  
We've had some updates, including NorCal's donation of a NorCal-20 xcvr and a whole slew of Multi-Op challenges.

The only requirement is that you submit a log with at least 10 valid QSOs. You've got 12 hours to operate, so that's not really a hardship. ;-) (EXCEPTION: See the Novice/Tech+ prize below.)

Remember gang, 10 QSOs minimum, unless you're a Field Op who has one heck of a horror story involving rabid ice weasels, antenna-eating porcupines, and snow snakes. And we'll want to see photos. ;-)

#### FYBO Multi-Op Food Fight!

- 1) Jim (N0UR), of the MN QRP Society, is challenging all other multi-op groups. As he says, "If you beat us I will send everyone in that group a Minnesota delicacy...a can of Cream of Mushroom Soup. I'll even throw in a few good 'hotdish' recipes."
- 2) Chris (N3XRV), of the MD mWers, has thrown down the gauntlet as well. He will send the winning Multi-Op team each a can of rare Campbell's Clam Chowder, complete with custom recipes printed on the side of the can. ;-)
- 3) Andreas (N6NU) and the Palo Alto club (W60TX) will donate a box of California Sun Dried Raisins for every member of the FYBO Multi-Op team with the LEAST points.

(NOTE: Both Single and multi-op stations are eligible for the following prizes, unless otherwise noted. You may end up sharing though. ;-)

#### FYBO NorCal-20 QRP-L Raffle

- 1) A NorCal-20 xcvr kit, courtesy of Doug KI6DS and NorCal (many thanks!). This will be raffled off from the logs received by \*QRP-L members\*.

#### The Shameless, Fabulous ScQRPion FYBO Prize List

- 1) A GM-XX xcvr from Small Wonder Labs, courtesy of Dave NN1G and Jay WA5WHN. (Many thanks guys!) This will be awarded to

the INDIVIDUAL who works the most AZ FYBO stations. With AZ and NM QRPers converging in eastern AZ, it's going to be a "target-rich" environment. Shoot fast, shoot often. :-)

- 2) A NorCal paddle kit, donated by Bob N4BP, to be raffled off from the logs received. Thanks Bob! Guess he felt guilty with all of that warm FL wx. :)
- 3) NOVICE/TECH+ - An ARRL Handbook will be raffled off among N/T+ QRPers who submit a log. No QSO minimum. We'll just be happy to know you were operating!
- 4) A big package of York Peppermint Patties to the Home op with the lowest operating temp. This will help give you that feeling of mushing a sled team across the frozen tundra! (Or so the commercials tell me....)
- 5) A bottle of proper AZ Gunslinger hot sauce to the Field op with the lowest operating temp. If this doesn't heat you up, nothing will. :) NOTE: The MN QRP Gang burned my butt last year when their multi-op station had the coldest temp, so I now have a limit of 4 bottles for the winning callsign. :-)
- 6) Random stuff as we AZ ScQRPions see fit (or unfit ;- ) ).

That's it! Hope to hear you out there. Remember, safety first, followed closely by FUN! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 03 Feb 1999 10:22:42 EST  
From: Ed Loranger <[we6w@juno.com](mailto:we6w@juno.com)>  
To: DNT1@daimlerchrysler.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [31892] Re: FOX - no show?  
Message-ID: <19990203.072143.4903.0.we6w@juno.com>

It looks like the Vibro-Fox Finders got a SWEEP last night!

BMHA --> Bicycle Mobile Hams of America.

\*\* I check in with them every week but I didn't hear  
AE6N last night.

FYI.

72, Ed WE6W, AR Millennium QSO's=291/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

-----  
You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 3 Feb 1999 08:29:32 -0700 (MST)

From: Joe Gervais <[vole@primenet.com](mailto:vole@primenet.com)>

To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)

Subject: [31893] FYBO: Submitting Results (Summary Sheet Please!)

Message-ID: <199902031529.IAA08494@usr02.primenet.com>

Howdy again Folks,

Firing these all off shotgun-style in a flurry of  
development deadlines. :)

When you send in your FYBO logs (either email or  
"snailmail"), please please PLEASE use the FYBO  
Summary Sheet located at ScQRPion Bob's website  
<<http://www.extremezone.com/~ki7mn>>. Just follow  
the links to "QRP Contest" and then "FYBO".

My goal is to have the completed FYBO results  
published within two weeks of the log deadline,  
and the more FYBO Summary Sheets that are filled  
out properly, the faster things go. That way you  
won't have to wait so dang long for your hot sauce  
and Peppermint Patties. ;-) I'm learning from the  
error of my ways. :)

Thanks very much for your help and support!

Cheers de AB7TT,

-Joe, [vole@primenet.com](mailto:vole@primenet.com), AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."



- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 03 Feb 1999 08:40:24 -0700  
From: Larry East <[w1hue@amsat.org](mailto:w1hue@amsat.org)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [31894] Operating...  
Message-ID: <3.0.3.32.19990203084024.00907660@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

In a recent post, Chuck Adams said:

>  
>I gotta get back on the air. It's what all  
>this stuff is about. Operate and operate.....  
>

No, no chuck: It's build build, tinker tinker, modify, fix, re-fix and cuss... and write up your results for the QRP Quarterly! THEN if there's any time left, you can operate! :-)

Geeze, Chuck, don't turn into an "appliance operator" on us! :-)

72, Larry W1HUE

-----  
Date: Wed, 03 Feb 1999 08:48:59 -0800  
From: [af852@rgfn.epcc.edu](mailto:af852@rgfn.epcc.edu)  
To: [N7YA@aol.com](mailto:N7YA@aol.com), [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [31895] Re: Ham Heros...  
Message-ID: <36B87DFB.12F1@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

And from time to time, one sees Leo, W0GFQ, mentioned in the World Radio magazine. However, as a lot of us know, Leo was primarily known for his company World Radio Laboratories, in Council Bluffs, Ia., and for the line of WRL transmitters - Globe Trotter, Globe Scout, Globe Chief, Globe Champ, and Globe King, all prior to the Galaxy phase of his enterprises.

--

-----  
Ray Colbert,  
(also w5xe@juno.com)  
El Paso, Texas (Far West Texas)

-----  
Date: Wed, 03 Feb 1999 08:49:15 -0800  
From: af852@rgfn.epcc.edu  
To: w5tb@softhome.net, qrp-1@lehigh.edu  
Subject: [31896] Re: The Bird Feeder Stelth Antenna  
Message-ID: <36B87B32.28C@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Doc, thanks for passing on the NordicDX site info - great info  
and for those into Shortwave Listening, LW or MW dxing, a great  
website. There is a very good chapter on wire antennas as well as  
loops. Haven't had a chance to look at it thoroughly yet, but  
I feel it will be forth the time.

73

--  
-----  
Ray Colbert,  
(also w5xe@juno.com)  
El Paso, Texas (Far West Texas)

-----  
Date: Wed, 03 Feb 1999 07:57:44 -0800  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: mrpj@mindspring.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31897] Re: K2 reports  
Message-ID: <36B871F8.625DDECA@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Peter et al,

Having been the first to complete the test run of the K2, I ran into  
more problems than any one else should. These were really quite minimal  
and took no time at all to figure out. Of course I had the benefit of  
Wayne and Eric on a local UHF rig. These changes and problems have now

been posted and no one else should have them.

The rig goes together very easily. If I had one complaint it would be that there are alot of parts on the bottom of the board that need to be soldered on the top of the board after the top of the board is already done. It isn't really a problem but some tight work. I think it would be easier to put all the bottom parts in before you do the top.

Alignment was very easy and can be done with internal test equipment. I used a signal generator (\$15 fleamkt special) and Oscope just because I have them, but you really can do a fine job without. There are only a few alignment steps other than tweaking all the band pass filters. Most of the alignment is done by the onboard computer and all you do is push buttons and wait for it to beep.

I have run through the operations manual and everything works as described. And works very well. The rig is very intuitive and unlike my FT1000MP I won't need the manual next week to figure out how to work it.

The split functions work very well and I really like being able to hold in the REV button tune to a tx freq and let go all with one hand. This is better than I have seen on commercial rigs which generally require two hands and then back to the key, and loss of timing.

The onboard filters work very (read VERY!!) well. Even on the narrow filter there is no ringing and it is pleasant to listen to. I still am perplexed by the set up of these filters. I have mine set and they work, but I still don't really understand it. (It is my own mental block causing this problem).

I have worked Cuba, Japan, and France and have gotton good reports.

I will be on the air Saturday afternoon for the FYB0, so listen for me and you can hear the sweet sound of the K2 on the air.

Eric and Wayne are to be commended on designing a very complicated radio , that works well, has features many commercial rigs don't, is easy to build, and easy to use.

I guess I like it ok ;-).

--

73 de AC6KW                      <mailto:grudin@vdb.com>  
Jeff Grudin, DVM                Web Add: <http://www.vdb.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292                QRP-L #16                ARS #351                AR Qrp #131

-----  
Date: Wed, 03 Feb 1999 10:59:02 EST  
From: Ed Loranger <we6w@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [31898] Millennium QSO's, Accidental Beacons, Names..  
Message-ID: <19990203.075807.4903.1.we6w@juno.com>

Wow gang, I don't know, maybe I'm typical. But  
it is getting harder and harder to remember names  
that go with callsigns.

Boring logging method follows, delete if uninterested.

291 QSO's in the Millennium challenge so far and  
that is over a 33 day period or so. (Mathematicians  
please remain calm :)

I'm getting better I guess, now it is "Bill or Jim",  
can't recall ur name OM.

Hey, it was Bill this time and I'm getting closer.

I noticed one call I worked was my pal Paul/W6GQR wor  
got his new call 2 or 3 months ago and I've finally  
made the association. It usually too his attic dipole  
description and ability to copy my fist that clued me  
who he is.

That particular QSO I entered his call using the ink  
pen -- I usually us my trusty .9 mm mechanical pencil  
with HB soft lead. Actually just the Date and Call  
are in ink, it really stands out on the page.

So looking at the call in ink and the rest of the log  
in pencil got me to thinking. I'll try entering  
all CALLS and NAMES using the blue ink, the rest of  
the information in pencil. QSO's go directly to the  
log during the contact with call and name in ink now.

I sure hope this helps and I can give names and Hello's  
right off. I know I sound strange, but I like greeting  
my friends up front if I can associate call/name.

I can't recall if I told anyone, but I will actually  
get to build a K2! (For a friend.) I hope it is  
soon, because I can't wait to do the on-air tests  
before sending it home to the owner.

Time for work. Best health to all and G'day.

-Ed

72, Ed WE6W, AR Millennium QSO's=291/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 03 Feb 1999 08:02:51 -0800

From: Vic Rosenthal <rakefet@rakefet.com>

To: vlantz@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [31899] Re: Counterpoise (Ground my long wire)

Message-ID: <36B8732B.BE6D44B0@rakefet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Vann G Lantz wrote:

>

> Have I got a question for you. I want to install a long wire antenna at

> my QTH. My shack is up stairs. How do I ground the long wire antenna?

>

> I have an MFJ 900 antenna tuner that has a long wire and ground wire

> hookup in the back as well as a PL-259.

Use a counterpoise wire of about 1/4 wavelength at the operating frequency attached to the ground terminal. Use multiple wires in parallel for multiple bands. You can run the wire out the window and let it hang down, or whatever. Make sure people and animals can't contact the end of the wire, because it will be hot with RF.

This is an RF ground ONLY. It is obviously not useful for lightning protection or AC leakage, etc. I'm not qualified in these areas, so someone else can explain that part of it.

73,

Vic, K2VCO

Fresno CA

-----

Date: Wed, 3 Feb 1999 10:29:38 -0600 (EST)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@lehigh.edu  
Subject: [31900] NVIS practice rpt updated w/distances  
Message-ID: <199902031629.KAA00544@okcforum.org>  
Content-Type: text

Since posting my NVIS practice results page on the web, I've come up with estimates (using lat/long info from QRP-L's calls2dist program) of the distance to each of the stations who worked us or gave us a signal report over the repeater. I've included these estimates of distance in my latest edit, and corrected a couple of errors.

<http://www.qsl.net/wb5ude/nvis/19990131.html>

--Jim WB5UDE

-----  
Date: Wed, 03 Feb 1999 11:39:14 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: njqrp@njqrp.org, QRP-L@lehigh.edu  
Subject: [31901] NC20 Received [Sort of]  
Message-ID: <3.0.6.32.19990203113914.0080c920@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I received my kit on Groundhog Day with a surprise included. The surprise had a note on the box saying:

"Received in Damaged Condition at  
United States Postal Service  
Deptford Branch, Woodbury , NJ"

No question about it, it was in poor shape. This may have been the reason it was a bit late in delivering, to pick up the pieces!  
It did have an alarming rattle inside when picked up.

The good news is that it was packed in such a way that the board and case were ok. The main parts bag was open but the small bags were intact. I guess it is a good idea and inventory parts to be sure anyway, to make sure nothing is crushed in the bags.

Thanks for a good packing job from Jim Cates surviving through the wonderful USPO!

-----  
72/73 de  
Ken Newman - N2CQ  
Woodbury, NJ  
  
N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~Club Callsign~~~  
WQ2RP

-----  
Date: Wed, 3 Feb 1999 11:48:47 -0500  
From: "Richard Brummer" <obvious@bestweb.net>  
To: <w1hue@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31902] Re: Operating...  
Message-ID: <001601be4f95\$129f3e20\$1f05b3d8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Yeah, but don't you want get K5F0 in the log book?

You can't do that if he builds and tinkers ALL the time!

72/73,  
Dick K2REB  
-----Original Message-----  
From: Larry East <w1hue@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, February 03, 1999 10:44 AM  
Subject: Operating...

>In a recent post, Chuck Adams said:  
>>  
>>I gotta get back on the air. It's what all  
>>this stuff is about. Operate and operate.....  
>>  
>

>No, no chuck: It's build build, tinker tinker, modify, fix, re-fix and  
>cuss... and write up your results for the QRP Quarterly! THEN if there's  
>any time left, you can operate! :-)  
>  
>Geeze, Chuck, don't turn into an "appliance operator" on us! :-)  
>  
>72, Larry W1HUE  
>

-----  
Date: Wed, 3 Feb 1999 12:07:27 EST  
From: K2UD@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [31903] Re: NC20 Received [Sort of]  
Message-ID: <96f3257e.36b8824f@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Same story here, the box said received damaged, but it really wasn't. I think the USPO put it there because of the noise the cabinet parts made inside! My box looked OK on the outside, and upon quick glance all the contents seem intact. No broken PCB, no cracked toroids. Only a little poke in the bag where one of the PCB corners cut through.

At least the USPO doesn't TRY to damage it like United Pretzel Service!

Hey, where can the NC-20 in the works photos be viewed?

72 all,

Howard Kraus, K2UD

-----  
Date: Wed, 03 Feb 1999 09:33:31 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@lehigh.edu  
Subject: [31904] Sound Blaster Test Gear (freeware)  
Message-ID: <36B8886B.1544D4C5@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit



I stumbled onto a nice collection of Sound Blaster based test gear software that may be useful to some of you. Included are a digital oscilloscope, frequency counter, sinewave generator and an a.f. sweep generator. I have used the frequency counter in the past to align an RTTY modem and it worked very well. The sweep generator will be used in the near future to align some cascaded bandpass filters on a new RTTY and Pactor modem for my NorCal 20. The address for the test gear is: <http://lonestar.texas.net/~gore/equipment.html>

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Wed, 3 Feb 1999 17:42:27 +0000  
From: Patrick M Kvitkauskas <pmk@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [31905] QRP & HO-10 monitor scope ???  
Message-ID: <19990203.174227.4078.0.pmk@juno.com>

Does anyone know if the HO-10 monitor scope  
can be modded to go QRP ???

I can only get not quite 1cm at 2 watts with the  
attenuator shut off. Sure would be nice  
to use the monitor scope instead of the Tek  
scope (takes up much less space).

Tnx es 72  
Patrick KD40BQ

AR

-----  
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-----

Date: Wed, 03 Feb 1999 09:52:18 -0800  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@LeHigh.edu  
Subject: [31906] NorCal's February Meeting Announcement  
Message-ID: <2.2.32.19990203175218.00d6cd0c@fix.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRPers,

the February meeting of the NorCal QRP Club will be held as usual Sunday February 7th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shoppingcenter. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,

Doug, KI6DS  
ki6ds@dpol.k12.ca.us

-----  
Date: Wed, 03 Feb 1999 13:12:16 -0500  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [31907] Re: Geritol WAS Net  
Message-ID: <36B89180.27E5@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Al Gritzmacher wrote:

> I was told the "Geritol net" was a good one for WAS. I dont know much  
> about that myself. Hopefully someone will come forward and fill us in  
> on some good nets for chasing WAS.

Try the CW and SSB "County Hunter" nets on 14.056+- and 14.336 MHz.  
They generally QSL 100%, although many of them prefer to QSL by signing  
a prepared QSL that you send to them, with an SASE. (This works out well  
for them if you have worked a /M station in 100 counties.)

72,  
Ed, W1RFI  
ARRL Lab

-----  
Date: Wed, 3 Feb 1999 13:18:49 -0500  
From: John Mckee <JMckee@RFMD.com>  
To: "'QRP-L'" <qrp-l@lehigh.edu>, "'KLQRP'" <klqrp@waterw.com>  
Subject: [31908] Hamstick ground planes  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-990203181849Z-177320@proxy1.rfmd.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Gang,

Has anyone ever used a Hamstick as a ground plane with radials, WITHOUT  
a tuner  
and had good results? I need to build a light weight  
portable/backpacking antenna.  
What I'm thinking about is using about a 6 foot PVC pipe with the

antenna on top and  
3 or 4 drooping radials.

Tnx es 73,

John WB40FT  
wb4oft@arrl.net

-----  
Date: Wed, 3 Feb 1999 10:21:32 -0800  
From: "John Moriarity" <k6qq@hdo.net>  
To: <dave.g0dja@psilink.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31909] Re: Yagi Uda...  
Message-ID: <001601be4fa2\$074aee40\$e1424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

>There's an short, but interesting description (well,  
interesting to me  
>anyway. :o) ) of the Yagi-Uda experiments in the book  
'Antennas', by John  
>Kraus - ISBN 0-07-035422-7 (I seem to think he has an  
Amateur licence, but  
>it's not mentioned in the section About The Author) on pages  
481 to 483,  
>section 11-9b.

John Kraus is W8JK.

72,

John, K6QQ  
Alturas, CA

-----  
Date: Wed, 3 Feb 1999 10:31:49 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: <vole@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [31910] Re: Lemon power  
Message-ID: <19990203183114.DEZJ22360@default>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QST had a piece on this a couple or three years ago -- including small transmitter which ran on lemon power. Talk about QRP!

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/index.html> or  
<http://home.att.net/~alan.kaul/qrp.html>

-----  
Date: Wed, 3 Feb 1999 13:34:05 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "\_Nogaqrp\_List (E-mail)" <nogaqrp@qth.net>, kj5tf@madisoncounty.net  
Subject: [31911] Lunch time QRP on 20 mtrs Great QRPpp QSO  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA36384F1@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

I was looking for Chuck K5FO again today but didn't hear him so send out some CQ QRPs on +/- 14.061mHz.

Got several bites including KJ5TF/QRP (Jim) in AK. I gave him 579 and I got 579. I was a 5W and he was at 45 mW. He progressively turned down the wick and got 569 @ 20mW, 559 @ 12 mW and 339 @ 3mW then the QSB stepped in. His antenna was a Half Square and I was using my Parking Lot Portable Vertical (PLPV) with 2 radials.

Yesterday I had several QSOs with same setup and thought I was at 5W but when I later checked I was at 900 mW. So things must be improving.

I'll be trying about 1700Z - 1800Z weekdays when the weather is decent in Atlanta (ie. most of the time). I generally will check 10 and 15 mtrs first and if any activity I'll stay on the QRP frequencies for awhile. I need this lunch time QRP fix. It's great.

Sam Billingsley AE4GX/4 Atlanta, GA Index @ 5W and PLPV (1/4wave vert w/2radials)

-----

Date: Wed, 3 Feb 1999 10:26:47 -0800  
From: William Phinizy <wphinizy@connect3.com>  
To: "'QRP-L List Server'" <qrp-l@lehigh.edu>, "'Homebrew List Server'"  
<homebrew@qth.net>  
Message-ID: <01E700B492CBD1118441006097B68072127030@LONGBEACH\_EXCH>  
MIME-Version: 1.0  
Content-Type: text/plain

Anybody know what happened to the QRP Homebuilder's web site? Yesterday  
it was there, and now I can't connect. The URL is:

<http://qrp.pops.net/qrp/>

..thanks in advance.

-----  
Date: Wed, 03 Feb 1999 11:30:47 -0700  
From: Ken Knecht <kenk@primenet.com>  
To: qrp-l@lehigh.edu  
Subject: [31913] Schematic drawing program  
Message-ID: <3.0.5.32.19990203113047.007ce9d0@pop.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Can someone recommend a shareware or cheap program that makes it easy to  
draw schematics - with predrawn capacitors, resistors, transistors, etc.? A  
simple one for a simple user.<g>

To make this message suitable for this list I pledge to use the program  
only on QRP circuits!

TIA

Ken

-----  
Date: Wed, 3 Feb 1999 10:39:31 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "QRP-L list" <qrp-l@Lehigh.edu>  
Subject: [31914] K5FO's NC20  
Message-ID: <044701be4fa4\$8c49f300\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Chuck --

Congrats on getting your NC20 built and consummated. You do nice work! The photos are also excellent, and I'm sure they will be very valuable to others working on their own rigs.

One small item though... I couldn't help but notice in the pictures that your NC20 enclosure looks a little.... uh, raw. Some people prefer their homebuilt stuff to look homebuilt, complete with scratched, oxidized aluminum and fingerprints, but I always figured that a rig soldered with care was worth putting a few minutes into the outside appearance too.

So maybe, when you get a few spare moments, you could roll on a coat of that Sherwin Williams Plymouth Grey exterior latex house paint you got left over from the last time you painted your house. It sure would pretty-up that aluminum case a mite.

You've seen my NC 38 Special, haven't you?

Mike K1MG  
<http://www.blueskyengineering.com>

-----  
Date: Wed, 3 Feb 1999 13:44:51 -0500  
From: DNT1@daimlerchrysler.com  
To: we6w@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [31915] Re: FOX - no show?  
Message-ID: <0525670D.00670176.00@lngodd02.notes.chrysler.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Ed, WE6W wrote:

> BMHA --> Bicycle Mobile Hams of America.  
> \*\* I check in with them every week but I didn't hear AE6N last night.

He started calling CQ BHMA at 7.042 @ 0158 UTC, heard him talking with a W7 station but don't remember the full call right now. I take it from your comment about a sweep you heard W5TFB last night? I heard you & the others, lot's of "CQ QRP L" calls going on while I was hunting fox, just figured that you guys had already caught him & were going about your business while I still needed to find him! Oh well, maybe next time...

72,

Don T.                    AI4CW                    QRP-L#1670                    Toney, AL

-----  
Date: Wed, 3 Feb 1999 13:45:29 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-l@lehigh.edu  
Subject: [31916] Re: Geritol WAS Net  
Message-ID: <49530.owen@piper.eeel.nist.gov>

In message Wed, 03 Feb 1999 13:12:16 -0500,  
"Ed Hare, W1RFI" <w1rfi@arrl.net> writes:

> Al Gritzmacher wrote:

>  
>

>> I was told the "Geritol net" was a good one for WAS.

> Try the CW and SSB "County Hunter" nets on 14.056+- and 14.336 MHz.

and on 7.238 Mhz or 7.243 Mhz SSB  
Good advice from Ed.

But please before you just jump into a "RUN" listen and understand how the format goes. The NCS doesn't like someone that has no knowledge as to the procedures used to just jump in. Listen for 10 minutes and you will pretty well understand how to do it. If any questions, in the space between "runs" put in a "query" and ask NCS if someone will go off frequency and explain the operation to you. Heck, just e-mail me and I'll be able to answer most questions.

The usual length of runs are 8-10 minutes and at times there are 10 or more mobiles waiting, so anything that delays the net also delays the mobiles waiting to give out the county. Many times someone will move a mobile thats far down the list, off the net frequency so that two or more may be operating at the same time.

Ask me--I'll help.



72 Jim K4CGY qrp-l #72 164 counties to go for all 3077.

-----

Date: Wed, 03 Feb 1999 18:48:30  
From: "KA5T Larry Wise" <lewise@inetport.com>  
To: "qrp" <qrp-l@lehigh.edu>  
Subject: [31917] Re: Hamstick ground planes  
Message-ID: <199902031847.MAA23389@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

John:

I have done that with a Hustler antenna with the KW 20m element  
and the 54 in mast.

I used an 18 ft swimming pool brush handle with a RS mobile mount  
on it and guyed it with four radials with some nylon string attached.  
Had a small cement block to hold each guy/radial.

When I got the whip length and the radial length right it worked like  
a champ. Used the MFJ-259 for the tuning.....

Ran my OHR QRP20 at about 2 watts to it...  
Used it for QRPTTF one year.....

Not as efficient as a full length element, but will make  
contacts....

I see no reason why the Hamstick would not give  
similar results.....

Larry KA5T  
Georgetown Texas

-----

Date: Wed, 3 Feb 1999 10:43:18 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "QRP-L list" <qrp-l@lehigh.edu>  
Subject: [31918] Fox: Fox alert! Thursday night  
Message-ID: <044b01be4fa5\$13786cd0\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fox Alert!!!!!!

I will be your elusive furry target on Thursday night.

0100Z 5Feb99 UTC K1MG (Saratoga CA)

That's Thursday night, Feb 4 in the US.

Target frequency is 7.043, but I will move as necessary to avoid QRM.

I know that you wily hunters have a lot of tricks up your paddles, but I'm ready for 'em, so blast away!

Mike K1MG

-----  
Date: Wed, 3 Feb 1999 13:53:08 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: John Mckee <JMckee@RFMD.com>, "'QRP-L'" <qrp-l@lehigh.edu>, "'KLQRP'" <klqrp@waterw.com>  
Subject: [31919] RE: Hamstick ground planes \*\*\*An Alternative \*\*\* The Parking Lot Portable Vertical (PLPV)  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3638504@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

I haven't used the Hamstick configuration but have used my Parking Lot Portable Vertical: a 1/4 wave insulated wire vertical section and 2 insulated wire drooping radials. The base on the PLPV is about 1.5 ft off the ground and the ends of the radials sloop down to the ground. The only thing I have noticed is that you need to prune the vert and radials carefully to get minimum SWR. By starting with them a little longer than formula and pruning off an inch or so on each at the time you can get a reasonable SWR <2:1 or lower. What holds the vertical section up? I use a collapsible plastic fishing pole (stored length <4ft and extends to about 20 ft. Same type pole used by the St. Louis vertical folks. I currently have quick disconnects for three bands 20/15/10 so I can quickly change bands. Since it's a FULL SIZE 1/4 wave vertical it performs well. I have a foldable aluminum (1" X 1" angle) stand with the fishing pole cable tied to it. It's self supporting and light weight(hold in one hand just a few pounds) and less than 4ft long and 7 or 8 inches inches in diameter closed. Easily fits

in trunk of small car.

So for less than \$30 bucks (pole is about \$20 you can get one at the BIG fishing warehouses) you can build a backpackable multi-band full size vertical antenna. I built it for use in parking lots since I don't have access to trees and my wife hates car ham antennas. I'll be putting up pictures on my new web page this weekend. I'll post some close-ups so you could see the detail.

For backpacking to places with trees you don't need the pole or stand just some rope/cord and the coax to the rig.

Sam Billingsley    AE4GX            e-mail: sbillingsley@usaninc.com  
Atlanta, GA

Inverted L, Butternut Vert, IsoLOOP, Parking Lot Portable Vertical (PLPV)

|             |        |      |     |            |           |                   |            |
|-------------|--------|------|-----|------------|-----------|-------------------|------------|
| 40mtrRamsey | QRP+   | HW7  | HW8 | HW9        | NC38S     | Pixie(40mtr@150mw | 12states)  |
| HW-101/QRP  | TT505  |      |     |            |           |                   |            |
| **          |        |      |     |            |           |                   |            |
| NORCAL 2210 | MI-QRP | 1567 |     | QRP-L 1033 | ARCI 9356 | AKQRP             | 308        |
| GQRP 9660   | ARS    |      | 269 | NOGA       | CQC       | 454               | FISTS 5306 |
| ZOMBIE 273  |        |      |     |            |           |                   |            |

> -----Original Message-----

> From: John McKee [SMTP:JMcKee@RFMD.com]

> Sent: Wednesday, February 03, 1999 1:19 PM

> To: 'QRP-L'; 'KLQRP'

> Subject: Hamstick ground planes

>

> Hello Gang,

>

> Has anyone ever used a Hamstick as a ground plane with radials, WITHOUT  
> a tuner

> and had good results? I need to build a light weight  
> portable/backpacking antenna.

> What I'm thinking about is using about a 6 foot PVC pipe with the  
> antenna on top and  
> 3 or 4 drooping radials.

>

> Tnx es 73,

>

> John WB4OFT

> wb4oft@arrl.net

> ===== KL QRP Club Mailing List =====

> To unsubscribe from this list, send email to listserver@vramp.net  
> and put the text "unsubscribe klqrp" in the message. To post a  
> message to the list, send email to klqrp@vramp.net.

-----  
Date: Wed, 3 Feb 1999 14:55:57 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: John McKee <JMckee@RFMD.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31920] Re: Hamstick ground planes  
Message-ID: <Pine.LNX.3.93.990203143212.691C-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 3 Feb 1999, John McKee wrote:

> Has anyone ever used a Hamstick as a ground plane with radials, WITHOUT

John,

I have used hamsticks with a homebrew ground mount, and four "tuned" radials laying on the ground. I would not say I had \*good\* results, but I did have results. If you have ANY kind of support (tree, wall, fence, ten story hotel) I'd opt for an EFHW (end fed half wave) and a itsy-bitsy tuner... much, much \*gooder\* results. Plus even with the tuner the EFHW is smaller, lighter and easier to pack. I find it much easier to travel (air/car/rail) with a small tuner, than 3' or 4' sections of "stuff".

My "usual" travel antenna is two 33' pieces of wire, and the matching tuner to my HW-9. I did add the N7VE LED tuning indicator <sweeeet!> to the tuner. Rigs are OHR, SST's, NC20 <grin>. I've had decent results with one wire draped around the ground/floor (counterpoise), and the other thrown up in tree as far as I could get it... draped on a wooden deck rail... taped in a "W" to the hotel window... dangling through the air conditioner to the outside of the hotel...

I don't know what your application is, but I'd take two "chunks" of wire and a small tuner over hamsticks anytime. It gives you many more options, also a tuner AND antenna will fit in two altoids tins!

72 es gl

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Wed, 03 Feb 1999 10:53:51 -0800  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [31921] NC20 spreadsheet -> ASCII  
Message-ID: <36B89B3F.527F@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The NC20 spreadsheet in Excel format is of no use to me. Could someone do me (and perhaps others) a favor by converting it to ASCII and making it available to me(us). My internet access is only through a Unix box and it doesn't know what to do with a .xls file!

As they say, thanks in advance!!

BTW: The NC20 kit has yet to arrive in

'the hometown of the NorCal QRP Club'... Pleasanton CA

--

```

                                     |
                                   /|
                                 /  |
                               /Z  |\
Allan Taylor, PE  K7GT           | /599| \   QRP-L 1016 FISTS 3222
   k7gt@arrl.net           /| /599| \   ARS 228    10X 69929
operating nr SF/Oakland CA  /_||/_/_/_|_/_\  DXCC 8171/CW 1395/40m
... 'QRP, QRO, or barefoot...'... [ \--===== -/
~~~~~
```

-----  
Date: Wed, 03 Feb 1999 13:56:41 -0500  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [31922] Re: ARRL Changes Rule On Batteries for FD  
Message-ID: <36B89BE9.199A@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hendricks, Doug QSP'ed from W7EL:

> I was just notified by Bill Kennamer, K5FUV of the ARRL that Field Day rule 6.7 has

> been changed to the wording I had proposed, which was:

> 6.7. For all classes except Class D, batteries charged during the Field Day period must be  
> charged from a power source independent of the commercial mains.

> It will be effective for the 1999 Field Day. For the first time, we can connect solar panel,  
> battery, and rig together and operate within the Field Day rules. (I'm embarrassed to admit  
> that I ignorantly misinterpreted the rule and have operated with this illegal connection for  
> the past 20 years. Anyone whose score is below mine in any Field Day listing should advance  
> his score one notch.)

> I want to thank everyone who worked to get this change made, including Dan Henderson, N1ND of the ARRL;  
> Contest Advisory Committee members Tim Duffy, K3LR and Lew Sayre, W7EW; Northwest Division Director Greg  
> Milnes, W7AGQ; Doug Hendricks, KI6DS, and many others who I'm sure worked behind the scenes to make it > > happen.

I am sure there were a few "behind the scenes" folks. I did what I could, working with Bill and Dan. Both gentlemen helped me to understand the policy processes that would form part of getting this changed. I, of course, added my input, too, but it was those who worked within the system who really got it all accomplished.

> Mary Lou Brown, NM7N, Director until her recent death, was also very supportive.

I traveled to Mary's Division a number of times. She and I had a number of QRP-related talks. The QRP community had a real friend in Mary Lou. We have a friend in W7EL, too. :-)

> And many thanks to all those folks who sent supporting comments to the CAC and/or the ARRL.

Amen. That is, btw, what ultimately got this all accomplished!

> I'd really like to give the credit for the idea to whom it's due. All I did was what I do best-be  
> a royal pain in the --- ...

> 73,  
> Roy Lewallen, W7EL

And we thank you for doing so, Roy. I wouldn't even say you were a pain

-- you just kept going and going and going... that's how we get things done. :-)

What's next, QRP DXCC? :-) ;-)

73,  
Ed, W1RFI

-----  
Date: Wed, 3 Feb 1999 11:04:07 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@lehigh.edu>  
Subject: [31923] NorCal 20 Posts  
Message-ID: <01be4fa7\$f97b6960\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have a vested interest in the NC20, in that I have spent most of my free time the last 10 months involved in the project, as have Dave, Jim, Dave, Gary, Mike, Doug, Gary, Brad, and all the rest of the NC20 team. None of us were paid. Why do we do this? Because we get a certain satisfaction when we read the obvious joy in a posting that someone received their kit. It is one of the little things that keep us going. It is our way of being "paid back" for our efforts, and it is important that people who contribute time to QRP be recognized for their efforts. Feed back is very important. Let me give you an example.

One of the things that I do as project manager is call the designer of a NorCal project almost daily from the time that the project starts until it is finished. Why? Because the designer is probably doing this in his spare time at home, and no one else in the household is interested in what "Dave" is doing with his radio "stuff". "Dave" needs to have someone give him feedback. If no one gives "Dave" feedback, then pretty soon he loses interest. No one likes to work in a vacuum. That is why this list has been so important in the development of QRP. Not only is it a wonderful medium of communication but it is also a great way to motivate and inspire the rest of us. When I read of a posting about a problem that someone has, I try and think of a way to solve it. If I have the answer, I try and contribute, if I don't, I stand eagerly by and wait for the answer so that I may learn vicariously. These posting are important to QRP and to the life of the list. Another feature of the list is that you don't have to read every post unless it interests you. We have the ability to filter the messages automatically, although I choose to filter with my mind as I read the

messages. You can ignore any message that you want to, including this one.

I have fond memories of the postings on the 38 Special, the Elmer 101 series, Pacificon, the Smite, the Pixie, Fox postings, Contest reports, Jersey Fireball, and many others. I look forward to postings on the K2, the NC20, Atlanticon, all of the QRP contests, and anything that has to do with QRP. Please everyone, continue to post on anything relevant to QRP, that is what this list is all about. Think of all of the learning that took place because of the 38 Special and the Elmer 101 series. That same type of learning will take place with the K2 and the NC20 information, but only if it is posted.

To answer those who do not want the postings about the NC20, you have every right to your opinion as I do. I am glad that you posted it. It is another data point, and shows the freedom of the list. You may also use a delete key to not read those "sharings of joy messages" that people want to post. Personally, I would rather read any posting about someone getting any kit to build than a flame to someone that appears on other lists.

Have a good day. Hope to work some of you in the FYB0 contest this Saturday. I will be using my NC20 prototype. Thanks to Paul Harden for his posting about the solar activity. I now have confidence that 20 will be open. What a gem he is, and that posting was another example of the education and sharing that takes place on this list. 72, Doug, KI6DS

-----  
Date: Wed, 3 Feb 1999 11:59:42 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Ken Knecht <kenk@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31924] Re: Schematic drawing program  
Message-ID: <Pine.BSI.3.96.990203115651.7909A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ken,

Unless you need schematic capture for PCB layout, AutoCAD LT makes a nice platform for drawing schematics. I use it for illustration schematics for articles, papers, and patents. It only (hah!) costs \$500 new. Just a suggestion, as there are other drawing-only programmes out there that are equally useful and are suitable alternatives.

On Wed, 3 Feb 1999, Ken Knecht wrote:

> Can someone recommend a shareware or cheap program that makes it easy to



[illegible]

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

-----

Here it is: your guide to winning the 'worked most Arizona QRP' stations in the FYBO contest this weekend! Paul Harden's note from yesterday is the definitive guide for general operations, but I took his data (and some from other sites) to prepare a

propagation 'guess' for the most probable propagation to the great state of Arizona (where most of the Scorpions reside).

Like Paul said, 20 meters will be your best bet, and there will be lots of openings at sunset, so hang in there!

Times in UTC

Local Arizona: 40 meters after 1600 for NVIS comms.  
This will be true for just about anywhere  
wanting 200 mi. comms.

Colorado: 40 meters 14-1700, 00-0200  
20 meters 17-0100

SF Bay: 40 meters 14-1700, 23-0200  
20 meters 17-0100

Washington: 20 meters 15-0200  
15 meters 18-2300

Texas: 40 meters 14-1500, 24-0200  
20 meters 14-0200

Minnesota: 40 meters 23-0200  
20 meters 14-0200  
15 meters 16-2300

Florida: 40 meters 23-0200  
20 meters 14-0100  
15 meters 16-0100  
10 meters 17-2200

Virginia: 40 meters 23-0200  
20 meters 14-0100  
15 meters 16-2000  
10 meters 18-2000

Mass: 40 meters 23-0200  
20 meters 14-0200  
15 meters 17-2200

Alaska: 20 meters 17-0200  
15 meters 18-0000

Hawaii: 20 meters 23-0200  
15 meters 18-0200

Kent Torell 602-675-2003 p12255@email.mot.com  
AB70A Phoenix, AZ

-----  
Date: Wed, 03 Feb 1999 11:07:18 PST  
From: "Brad Hernlem" <alihernlem@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [31926] Ferrite Question  
Message-ID: <19990203190718.8991.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain

Hi,

I have been working on a VFO circuit using the buffer amplifier scheme from the 1997 ARRL Handbook (page 14.20, the KA2WEU/KA7EXM/W7ZOI/W7EL circuit). My oscillator is a Hartley centered around 455 kHz (I am building this as a sweep generator to test filters). The buffer circuit, from the Handbook, is an emitter follower in front of a common emitter amplifier with output through a ferrite toroid transformer. Both transistors are 2N3904. Biasing and feedback to the first transistor are via a 27K resistor from the collector of Q2 to the base of Q1 and a 10K resistor from the base of Q1 to the tap on the coil in the oscillator. The output level from my oscillator is set using a bypassed resistor from the tap to the source of the FET as in the Handbook circuit.

Getting to the meat of the subject, the ferrite transformer I am using is trifilar wound with 12 turns in the primary and 6 in the secondary. I have the secondary loaded with a 56 ohm resistor. I do not know the characteristics of the ferrite. It is an unknown. However, the apparent inductance of the primary measured using the inductance adapter circuit from the handbook (which runs at 6 kHz) is well over 1 mH. With the oscillator biased with a 10K source resistor, the output from the buffer amp is about 4.8 V P-P but appears clipped unless I reduce the emitter resistor on Q2 from 180 ohm to 56 ohm. Looking at the collector voltage on the scope, the clipping occurs when it rises to about 15V (supply voltage is 12V, BTW). With no load on the secondary there is no clipping. Also, clipping can be eliminated by reducing the oscillator output by increasing the source resistor.

Why is it that reducing the Q2 emitter resistor (which increases the quiescent current) should eliminate the clipping? Is this a ferrite limitation or something else? Because the load affects the clipping, I assume that it is somehow related to the ferrite's ability to deliver current and not a limitation from the voltage swing, per se. Any help?

Thanks.

Brad

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Wed, 3 Feb 1999 12:46:03 -0800  
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>  
To: Chris Trask <ctrask@primenet.com>  
Cc: qrp-l@lehigh.edu  
Subject: [31927] Re: Schematic drawing program  
Message-ID: <19990203124603.A3244@dolphin.openprojects.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

> > Can someone recommend a shareware or cheap program that makes it easy to  
> > draw schematics - with predrawn capacitors, resistors, transistors, etc.? A  
> > simple one for a simple user.<g>

If you are running the Linux operating system with XWindows, you can use a  
freeware program called XCircuit. This program is designed specifically to  
handle rendering schematics (hence its name), but can be used for other  
purposes, as well. My roommate is using it to create professionally  
rendered musical score transcriptions.

=====

|               |  |   |
|---------------|--|---|
| KC5TJA/6      |  | -  TEAM DOLPHIN  -  |
| DM13          |  | Samuel A. Falvo II  |
| QRP-L #1447   |  | <a href="http://www.dolphin.openprojects.net:9673/">http://www.dolphin.openprojects.net:9673/</a> |
| Oceanside, CA |  | .....   |

-----

Date: Wed, 3 Feb 1999 13:01:44 -0500  
From: W5TB <w5tb@SoftHome.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31928] Re: Tech America Specials (solar charger)  
Message-ID: <v0401170eb2de3f6989c6@[10.4.12.114]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>The "TA Insider" has some good special offers.

tnx Marshall, they do indeed -- including a sale on a cute little solar

trickle charger for \$18.89  
- just the thing to keep those batteries charged between qrp  
contests/operating events. I was tempted to buy one last month for \$29.95  
-- at this price I just couldn't resist.  
[http://www.techam.com/site.asp?L=/Products/February/Specials/Clearance/Clearance  
.asp](http://www.techam.com/site.asp?L=/Products/February/Specials/Clearance/Clearance.asp)

So let's see -- today that's a solar charger and a weller soldering station  
-- cut it out guys! I'm going broke saving money on toys -- How am i going  
to explain this to the xyl without her wanting to move the kids out of the  
broken down car by the river and back into a real house, thereby  
squandering my qrp money? ; -)

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Wed, 03 Feb 1999 12:32:00 -0700  
From: Larry East <w1hue@amsat.org>  
To: qrp-l@lehigh.edu, homebrew@qth.net  
Subject: [31929] Units Conversion Program  
Message-ID: <3.0.3.32.19990203123200.0091c9f0@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

A useful little program for converting units (all types) can be downloaded  
from <http://www.joshmadison.com/software/convert/index.htm>

72, Larry W1HUE/7

-----  
Date: Wed, 03 Feb 1999 14:41:42 -0500  
From: John Leveault <jlevro@mediaone.net>  
To: ctrask@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31930] Re: Schematic drawing program  
Message-ID: <36B8A676.E41B90B3@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

```
> Ken,  
> Unless you need schematic capture for PCB layout, AutoCAD LT  
> makes a nice platform for drawing schematics. I use it for illustration  
> schematics for articles, papers, and patents. It only (hah!) costs  
> $500 new.
```

nb1i

[illegible]

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Graphics by Loek Frederiks

-----  
Date: Wed, 03 Feb 1999 12:48:20 -0700  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: ctrask@primenet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31931] Re: Schematic drawing program  
Message-ID: <36B8A803.C5396ECB@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

If you are a student or staff at a university or college AutoCad LT Student Version is available for around \$100. This includes mechanical, architecture, and electronic libraries! Quite a steal, if you ask me. Contact your campus bookstore.

Bruce kk7zz

Chris Trask wrote:

```
> Ken,
> Unless you need schematic capture for PCB layout, AutoCAD LT
> makes a nice platform for drawing schematics. I use it for illustration
> schematics for articles, papers, and patents. It only (hah!) costs
> $500 new. Just a suggestion, as there are other drawing-only programmes
> out there that are equally useful and are suitable alternatives.
>
> On Wed, 3 Feb 1999, Ken Knecht wrote:
>
> > Can someone recommend a shareware or cheap program that makes it easy to
> > draw schematics - with predrawn capacitors, resistors, transistors, etc.? A
> > simple one for a simple user.<g>
> >
> > To make this message suitable for this list I pledge to use the program
> > only on QRP circuits!
> >
> > TIA
> >
> > Ken
> >
>
> ,------.
> / What's all this \
> / extinct stuff, anyhow? /
> \ -----'
> _ |/
>
> Circuit Design for the
> RF Impaired
>
> Chris Trask / N7ZWY
> Principal Engineer
```

[illegible]

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Graphics by Loek Frederiks

Date: Wed, 3 Feb 1999 12:49:16 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: John Levreault <jlevro@mediaone.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31932] Re: Schematic drawing program  
Message-ID: <Pine.BSI.3.96.990203124839.25241B-100000@usr04.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

```
> Chris Trask wrote:
>
> > Ken,
> > Unless you need schematic capture for PCB layout, AutoCAD LT
> > makes a nice platform for drawing schematics. I use it for illustration
> > schematics for articles, papers, and patents. It only (hah!) costs
> > $500 new.
>
> ...or find yourself a student who can get it for $109.
>
```

```

/-----'
/      What's all this      \
/ extinct stuff, anyhow?   /
\-----'
-|/

```

Chris Trask / N7ZWY  
Principal Engineer



Sam Billingsley wrote:

>  
> I was looking for Chuck K5FO again today but didn't hear him so send out  
> some CQ QRPs on +/- 14.061MHz.  
>  
> Got several bites including KJ5TF/QRP (Jim) in AK. I gave him 579 and I got  
> 579. I was a 5W and he was at 45 mW. He progressively turned down the wick  
> and got 569 @ 20mW, 559 @ 12 mW and 339 @ 3mW then the QSB stepped in. His  
> antenna was a Half Square and I was using my Parking Lot Portable Vertical  
> (PLPV) with 2 radials.  
>  
> Yesterday I had several QSOs with same setup and thought I was at 5W but  
> when I later checked I was at 900 mW. So things must be improving.  
>  
> I'll be trying about 1700Z - 1800Z weekdays when the weather is decent in  
> Atlanta (ie. most of the time). I generally will check 10 and 15 mtrs first  
> and if any activity I'll stay on the QRP frequencies for awhile. I need  
> this lunch time QRP fix. It's great.  
>  
> Sam Billingsley AE4GX/4 Atlanta, GA Index @ 5W and PLPV (1/4wave vert  
> w/2radials)

Wow Sam - I had no idea you were portable, AND QRP too! That PLPV must be really something!! I must have read abt that antenna somewhere, but dont remember much. Would you be so kind to post a discription? Is it coax fed? We sure know its working great, and not loseing a drop of signal - anywhere!! Maybe I should try building one of those... Maybe you saw that I do some QRP in my truck on Sunday afternoons. Been just useing the Hamsticks.

Wasnt that FUN!?! The Oak Hills WM-2 is the best piece of ham equipment I've bought since I got the MFJ 249 antenna analyzer. And the WM-2 is the EZest kit I've ever built, on top of how much fun it adds to QRP.

I dont get a kick-back from Oak Hills, just a happy customer.

Thanks for the great QSO Sam, and hope to do it again. Maybe if the QSB hadnt come we could have reached the bottom of my WM-2 meter, 1mW!

Now I have to figure the miles per watt on the 3mW QSO to Atlanta!

Thanks agn, 72/3'z de Jim KJ5TF Ar QRP #2  
PS - I'll be posting my WAS Total Points on friday, I think I have 7 states so far.

-----

Date: Wed, 03 Feb 1999 20:06:06 +0000

From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [31935] Island keyer Layout  
Message-ID: <36B8AC2E.7AFC@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks to the honorable ET/N1FN, Marshall recommended to me a very fine looking setup for the Island Keyer:

Front Panel:

```
-----  
RECORD, Speed, Interrupt <==Logic switches  
  
===== Speed Control Potentiometer =====  
  
MEM1, MEM2, MEM3, MEM4  
-----
```

So it will look like this:

```
+-----+  
|  0   0   0   |  
| rec  spd  int  |  
|      (  )      |  
|       WPM       |  
|  o  o  o  o  |  
|__MEM 1-4_____|  
  <Front Panel>
```

Yet to be placed:  
Keyer output to RIG.

Straight key input.  
Paddle Input.  
12 Volt power jack.  
3 to 6 Volt 'AA' battery connection (internal somehow)  
Volume control.

My original prot-type setup for those interested:

back=> KEYS

```

RIG    St. Pdl.  Pwr.
  ||    ||    ||    ||
+-----+
|                                     |
|                                     |
|                                     |
|                                     |
|                                     |
|                                     |
| (WPM)                o o  o o  |
|               MEM 1-4          |
+-----+
<Front Panel>

```

Now to find a nice case for my friends' keyer!

Aren't ergonomics interesting? -Ed

--

-Ed AR QRP Millennium QSO's=291/2000  
 72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
 QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
 Date: Wed, 03 Feb 1999 15:09:27 -0500  
 From: olyellr@iglou.com  
 To: qrp-l@lehigh.edu, SBillingsley@usaninc.com, kj5tf@madisoncounty.net  
 Subject: [31936] Another lunchtime QRPP QSO (2mW's)  
 Message-ID: <3.0.5.32.19990203150927.007ffdd0@pop.iglou.com>  
 Mime-Version: 1.0  
 Content-Type: text/plain; charset="us-ascii"

Congrats Sam and Jim!

I had a nice one too about noon on 21061. I answered Tom/KC0W's call running 700mW's, and at his urging I dropped to 300, then 50, and finally to 2mW's for a solid copy on his end. At 2mW's he said he was having no problem copying and was sending repeats of my numbers back to me, as confirmation.

My rig was an OHR500 to a 135ft longwire here in Kentucky, and Tom was on a Tentec Scout to a dipole in Minnesota.

This was my first single digit mW QSO....needless to say I was jacked up for awhile afterwards, hi!

A lotta fun. A WHOLE lotta fun. Thanks Tom, and congrats again, Sam and Jim.

72/3,  
Mike L.

=====  
de AF4LQ  
FISTS #4139 QRP-L #1395 ARCI #9870  
99% CW OP...for the pure JOY of it.  
<http://members.iglou.com/olyellr/>

-----  
Date: Wed, 03 Feb 1999 11:17:47 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: Kent\_Torell-P12255@email.mot.com, "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [31937] Re: FYB0 : Official Prop Forecast to AZ  
Message-ID: <36B8AEEB.8C209F68@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sounds like you guys in AZ are desperate for QSOs. :-)

I will try to be there to work as many as I can. I just hope people will turn their beams up this way from time-to-time....and yes, I do get desperate! hi

73, Jim, AL7FS

Torell Kent-P12255 wrote:

>  
> Here it is: your guide to winning the 'worked most Arizona QRP'  
> stations in the FYB0 contest this weekend! ...  
> but I took his data (and some from other sites) to prepare a  
> propagation 'guess' for the most probable propagation to the  
> great state of Arizona (where most of the Scqrptions reside).  
>  
> Kent Torell 602-675-2003 p12255@email.mot.com  
> AB7OA Phoenix, AZ

--  
73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
<mailto:al7fs@qsl.net> ICQ 11022915 <http://www.mirabilis.com/>

Date: Wed, 3 Feb 1999 15:24:27 -0500  
From: "David Burniston" <davidgb@nortelnetworks.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31938] RE: Schematic drawing program  
Message-ID: <915C65C50371D11187AD0000F881B9A4026EB9CC@bcarua62.ca.nortel.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Have a look at PCTrace.

<http://www.eesoft.com>

This is schematic & pcb. There is a demo and the full, unlimited node cost is \$99.95US as I remember.

This is what I have been using for the last year and I really like it.

...Dave  
VE3LFO

> -----Original Message-----  
> From: John Levreault [SMTP:jlevro@mediaone.net]  
> Sent: Wednesday, February 03, 1999 2:42 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: Schematic drawing program  
>  
> Chris Trask wrote:  
>  
> > Ken,  
> > Unless you need schematic capture for PCB layout, AutoCAD LT  
> > makes a nice platform for drawing schematics. I use it for illustration  
> > schematics for articles, papers, and patents. It only (hah!) costs  
> > \$500 new.  
>  
> ...or find yourself a student who can get it for \$109.  
>  
> nb1i  
>  
>  
> > Just a suggestion, as there are other drawing-only programmes  
> > out there that are equally useful and are suitable alternatives.  
> >  
> > On Wed, 3 Feb 1999, Ken Knecht wrote:  
> >  
> > > Can someone recommend a shareware or cheap program that makes it easy  
> > to  
> > > draw schematics - with predrawn capacitors, resistors, transistors,

```
> etc.? A
> > > simple one for a simple user.<g>
> > >
> > > To make this message suitable for this list I pledge to use the
> program
> > > only on QRP circuits!
> > >
> > > TIA
> > >
> > > Ken
> > >
> >
> >      ,------.
> > /    What's all this    \
> > / extinct stuff, anyhow? \
> > \_____,'-----'
> > _ | /
> > oo\
> > (__) \
> >   \   \   . ' ' ' .
> >   \   \   /   \   \
> >   \   \   ' "   \   \
> >       ( ) \
> >   . -| )__| :. \
> >   | | | | \ ' .
> >   c__; c__; ' -.. '>.__
> >
> >
> >
```

Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Wed, 3 Feb 1999 14:24:43 -0600  
From: applitech@mcg.net (Claton Cadmus)  
To: "QRP-1" <qrp-1@lehigh.edu>, <kenk@primenet.com>  
Subject: [31939] Re: Schematic drawing program  
Message-ID: <023b01be4fb3\$9f3762e0\$a10a5e2c@groucho>

Hope this Helps.

-----

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Wed, 3 Feb 1999 15:23:42 EST

From: RangerSF5@aol.com

To: qrp-l@lehigh.edu

Subject: [31940] RE;??

Message-ID: <8c0f9888.36b8b04e@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Has anyone received the MFJ news letter?

If so, can someone please send me a copy as I must have a mail problem here.

Or you can fax 609-298-8862 and i'll send the money for the call.

Thank You

Bob

WA2HOQrp <tm>

-----  
Date: Wed, 3 Feb 1999 12:32:43 -0800 (PST)

From: Brad Bradfield <b\_bradfield@yahoo.com>

To: Message posts for QRP-L <qrp-l@lehigh.edu>

Subject: [31941] COAXIAL DC CONNECTORS

Message-ID: <19990203203243.615.rocketmail@send203.yahoomail.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Hello Mr and Mrs QRP and all the ships at sea - -

<STEP UP ON SOAPBOX>

As I've mentioned here before, I've had terrible luck with the very poor quality of the available coaxial DC connectors made to mate with the chassis connectors used on most of the QRP stuff on the market today. Specifically Radio Shack, which is about the only easily



accessible supplier most of us have. The connectors have on more than one occasion literally fallen apart before they could be attached to the power cable.

<STEP OFF SOAPBOX>

Anyway, when I recently assembled my WM-2 wattmeter, I found that OHR supplied a six foot cable with pigtails on one end, and a molded on connector on the other. This was just what I needed. So I dropped Dick at OHR an e-mail to see where he purchases these cable assemblies, and found out that they're an off the shelf item from Mouser.

Now the WM-2 (and I assume most of the other OHR kits) uses a 5.5mm connector with a 2.5mm center pin. My Sierra, on the other hand, as well as the MFJ equipment uses a 5.5mm connector with a 2.1mm center pin. Looking in the Mouser catalog, I found both sizes, as well as the smaller barrel size, available as well. These cables assemblies are very inexpensive. My Mouser catalog is a year and a half old or so, so prices may have changed a bit, but probably not that much. The 2.1mm cable assembly is Mouser part number 172-4101, and is priced at \$1.26 in single quantities, and \$1.05 in quantities of 10. Mouser has no minimum order, and shipping is very reasonable. The 2.5mm cable (different part number, which I didn't write down) is the same price. I think this is well worth the price.

I also wanted to mention that I was very impressed with the WM-2 wattmeter. I've been building kits and homebrewing for nearly 40 years, and this was a fine kit. My only mod to it was the replace the 2.5mm power connector with a 2.1mm version to match that used on my other equipment. Dick has put out a great product here!

T-minus sixty-five and a half hours and counting till FYBO. Boy I hope it's a cold morning here in North Texas!

Oh, well.

72's es 73's,

Brad, W5CGH

==

Brad Bradfield, PE      W5CGH  
(ex WB0CGH)

Systems Engineer  
Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377                      SMIRK #4906  
ARS #72                      Austin QRP Club #e

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Wed, 03 Feb 1999 14:53:00 -0800  
From: Charles Kadesch <chas@digizen.net>  
To: qrp-l@lehigh.edu  
Subject: [31942] Re: Schematic drawing programs  
Message-ID: <36B8D34C.78D9@digizen.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have been using Visio Technical 4.1. Short learning curve.  
-72 de Chas W3KC-

-----  
Date: Wed, 03 Feb 1999 14:54:54 -0600  
From: John Bohnert <johnb@elmhurst.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31943] NC 20 Parts List Source  
Message-ID: <36B8B79E.88159E12@elmhurst.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I misfiled the source of a 'complete parts' list for the NC 20 that was prepared by a fellow QRPer. Would someone please send to me the source? Checked this afternoon's mail...no NC20 yet!

72    N9KW    John    Elmhurst, IL

-----  
Date: Thu, 04 Feb 1999 14:57:06 -0600  
From: Jim <kj5tf@madisoncounty.net>  
To: olyellr@iglou.com  
Cc: qrp-l@Lehigh.EDU, SBillingsley@usaninc.com

Subject: [31944] Re: Another lunchtime QRPP QSO (2mW's) "doing the QRP limbo!"  
Message-ID: <36BA09A2.3E03@madisoncounty.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

How low can they go! HI! Isnt this THE GREATEST thing since you  
discovered QRP?!!

To folks who havnt done the "QRP limbo" yet, its really really fun!

Thanks!! Jim KJ5TF

olyellr@iglou.com wrote:

>  
> Congrats Sam and Jim!  
>  
> I had a nice one too about noon on 21061. I answered Tom/KC0W's call  
> running 700mW's, and at his urging I dropped to 300, then 50, and finally  
> to 2mW's for a solid copy on his end. At 2mW's he said he was having no  
> problem copying and was sending repeats of my numbers back to me, as  
> confirmation.  
>  
> My rig was an OHR500 to a 135ft longwire here in Kentucky, and Tom was on a  
> Tentec Scout to a dipole in Minnesota.  
>  
> This was my first single digit mW QSO....needless to say I was jacked up  
> for awhile afterwards, hi!  
>  
> A lotta fun. A WHOLE lotta fun. Thanks Tom, and congrats again, Sam and Jim.  
>  
> 72/3,  
> Mike L.  
>  
> =====  
> de AF4LQ  
> FISTS #4139 QRP-L #1395 ARCI #9870  
> 99% CW OP...for the pure JOY of it.  
> <http://members.iglou.com/olyellr/>

-----  
Date: Thu, 04 Feb 1999 15:02:07 -0600  
From: Jim <kj5tf@madisoncounty.net>  
To: qrp-1@Lehigh.EDU

Subject: [31945] Novelty QRPP contest - RESULTS!  
Message-ID: <36BA0ACF.6F49@madisoncounty.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks Bob! It was fun again this year just like the last two years!

You did a great job running it. I'm looking forward to my prize!!

CUL, Jim KJ5TF AR QRP #2

40-9er Category:

|      |                         |     |
|------|-------------------------|-----|
| 1st  | KJ5TF, Jim Hale         | 938 |
| 2cnd | WJ4P, Randy Hargenrader | 334 |
| 3rd  | N9JXY, Denny Payton     | 144 |

-----  
Date: Wed, 3 Feb 1999 14:05:58 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: al7fs@pobox.alaska.net (Jim Larsen AL7FS)  
Cc: qrp-l@lehigh.edu  
Subject: [31946] FYBO: AL7FS Wild Berry Chocolate Raffle  
Message-ID: <199902032106.0AA28895@usr04.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Howdy Folks,

One of our Very Frozen Own (Jim, AL7FS, Ever-present QRP sig from America's Deep Freezer) is adding another FYBO treat to the gastronomic marvel we call the FYBO Prize List. :-)

Jim (AL7FS) wrote:

>  
> You can post this or not as you see fit. [ ... ]  
>  
> What I have in mind is that I will perform a Freeze Your B\_\_\_ Off random  
> drawing from among those who work AL7FS in the FYBO. The prize will be  
> Alaska Wild Berry Chocolates, hand-made here in Anchorage at the Alaska

> Wild Berry Factory. Just another reason why it is so sweet to work  
> Alaska 2XQRP.  
>  
> :-)

Now \*that's\* some good eatin'! :-) So folks, if you  
even THINK you hear "...7FS" down in the QRN, play  
with those filters and pull that boy in! :)

Thanks Jim!

Please also note that since Jim's temperature has been  
hovering around -20F, he's doing us all a favor and  
staying home to give the rest of us a chance to win  
the lowest operating temperature. \*8-)

Jim says Bruce (our Fairbanks AK Op) was faced with  
an insta-freeze temp of -47F this morning. Good time  
to stay home, stoke the fire and drink hot stuff!

After all, there \*is\* such a thing as too much FYBO.....!

Wishing you guys a fast, warm Spring!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."  
- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 03 Feb 99 15:22:23 -0500  
From: Chuck Adams <[adams@ticnet.com](mailto:adams@ticnet.com)>  
To: qrp <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [31947] George Heron and Atlanticon apology  
Message-ID: <E1089i8-00016E-00@smtp.ticnet.com>

Gang,

Let me tell you when I screw up I do it big time.

This is a public apology to George and the group at Atlanticon.  
The communications error was TOTALLY my fault. I know better,  
really I do.

George was sending me email about Atlanticon and I was responding  
but he wasn't getting my responses. It was all my fault. I have had  
this system (PC and W98) since mid September. It is not a UNIX  
system like I have been on for 30 years, so the software in some  
areas is new to me and its quirks I have yet to learn.

I kept getting returned messages and didn't know why until Bruce,  
W6TOY, sent me a private message about the address changing.  
And it wasn't until just now after the last post that it hit me like  
a brick wall.

The emailer that I'm using has an address book. The first time you  
send me an email the software adds you to the address book. I  
guess it thinks that you and I will be pen pals from now on and  
that is true. BUT, it never updates your address if you change  
and this seems to be the case for George.

So, again the error was on my end. I can't undo the past. So  
it looks like I miss out on Atlanticon because of the costs now  
of redoing some stuff. My mistake and I'll have to live with it.

My sincere public apology to George for the email to the group as at the  
time I thought it was the only way to get a message to him. A  
gross error on my part. George is doing a great job on the lineup  
at Atlanticon and it is my wish that I had not messed up and  
won't be able to be there. I know that it is my loss at meeting a  
group of people that exchanges in email would have allowed putting  
a face with them.

So, with saddened heart and a serious mistake on my part I sincerely  
apologize. I removed myself from the list of speakers, not George.

Thanks,

--

Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

-----

Date: Wed, 3 Feb 1999 14:24:21 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: alan.kaul@worldnet.att.net  
Cc: qrp-l@lehigh.edu  
Subject: [31948] Re: Lemon power  
Message-ID: <199902032124.0AA00207@usr04.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Paul (W6RCL) wrote:

>  
> QST had a piece on this a couple or three years ago -- including small  
> transmitter which ran on lemon power. Talk about QRP!

Prediction: Before long a heated thread will be  
started over exactly what size lemon constitutes  
"true" QRP, as well as whether other citrus fruits  
violate the pure spirit of it all. \*8-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 3 Feb 1999 16:23:55 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:SBillingsley@usaninc.com" <SBillingsley@usaninc.com>  
Cc: QRP-L Discussion Group <QRP-L@Lehigh.edu>, "W.D. (Doc) Lindsey/K0EVZ"  
<70511.3041@compuserve.com>  
Subject: [31949] Lunch time QRP on 20 mtrs Great QRPpp QSO  
Message-ID: <199902031626\_MC2-690A-D669@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Sam:

Wow, this is a great report. I'll almost bet it takes more energy in licking the envelopes than you use to power the rig itself. Good luck and continued success :-).

72,

--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 7187  
Bismarck, ND 58507  
70511.3041@compuserve.com

-----  
Date: Wed, 03 Feb 1999 14:39:52 -0700  
From: John Evans - N0HJ <jaevans@codenet.net>  
To: qrp-l@lehigh.edu  
Subject: [31950] Homebrewing the NC20  
Message-ID: <36B8C228.C780A91B@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Folks,

Chuck mentioned that the PC board would be difficult at best to try to fabricate from pattern because of the density. Don't let that discourage you. I am sure that someone now is putting the info together to do one dead-bug style!!!

72 - john

-----  
John A. Evans, N0HJ                      Chief Systems Administrator  
Office: (719) 528-1800 x164            Titan Software Systems  
Fax:     (719) 528-1888                1115 Elkton Drive, Suite 200  
email:   jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535  
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Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045  
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184  
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>  
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-----  
Date: Wed, 3 Feb 1999 15:12:24 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31951] FYB0: SW-x0+ Kit Prize Correction



Message-ID: <199902032212.PAA24720@usr07.primenet.com>

Howdy Folks,

Small correction to the FYBO Prize List. The Xcvt kit that's been donated from NN1G and WA5WHN is from the SW-x0+ series, *\*not\** the discontinued GM series. Sorry for the mixup!

Hop on over to Small Wonder Labs webpage at:

<http://www.fix.net/~jparker/sml.html>

to see more info on the little beast if you're curious.

The neat part is that the SW+ series' rcvt current draw is a mere 16mA! Perfect for those of you wishing to explore citrus power cells, or simply not wanting to lug 50lbs of batteries to the field for a day of operating. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave, Fellow Snow Camper

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 3 Feb 1999 15:14:43 -0800

From: "Francis Callahan" <colcal@srv.net>

To: <lewise@inetport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [31952] Re: Hamstick ground planes

Message-ID: <199902032215.PAA15375@srv.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

By putting 2 ham sticks back to back and used as a rotatable dipole they work really well. 72 Cal KF7ET Shelley, Idaho

-----  
> From: KA5T Larry Wise <llewise@inetport.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Re: Hamstick ground planes  
> Date: Wednesday, February 03, 1999 10:48 AM  
>  
> John:  
>  
> I have done that with a Hustler antenna with the KW 20m element  
> and the 54 in mast.  
> I used an 18 ft swimming pool brush handle with a RS mobile mount  
> on it and guyed it with four radials with some nylon string attached.  
> Had a small cement block to hold each guy/radial.  
>  
> When I got the whip length and the radial length right it worked like  
> a champ. Used the MFJ-259 for the tuning.....  
>  
> Ran my OHR QRP20 at about 2 watts to it...  
> Used it for QRPTTF one year.....  
>  
> Not as efficient as a full length element, but will make  
> contacts....  
>  
> I see no reason why the Hamstick would not give  
> similar results.....  
>  
> Larry KA5T  
> Georgetown Texas  
>  
>

-----  
Date: Wed, 03 Feb 99 16:32:21 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Cc: qrp <qrp-1@lehigh.edu>  
Subject: [31953] Re: K5FO's NC20  
Message-ID: <E108Anr-0001QC-00@smtp.ticnet.com>

Mikey et.al.,

I am glad that you took note and pointed out to the rest of the world that the final pictures on the NorCal 20 which now has 9 states to its tally sheet is "raw" on the outside.

Oh, by the way congratulations and let me be the first to tell

the rest of the world. Mike's NC20 prototype was the first one to do WAC QRP and he has the certificate to prove it also. Good job. Wish I could put up the tower but the landlord and the neighbors here in Dallas wouldn't have sense of humor about it. :-) The Force12 will have to wait until I get to AZ.....

Going back to the finish. Noone other than myself and Phyllis will see the finished version until the showdown at Pacificon. I sure hope you have enough ice to keep that 20 oz bottle of Diet Coca-Cola (tm) cool during the hot summer months in the bay area..... I have a secret color in mind and the labeling will be the envy of every homebrewer from coast to coast. :-) ;-) All those hours of doing watercolor are paying off for detailed work.

Go ahead. Pick on me. Showdown at 20 paces with Krylon at high noon in the lobby of the hotel at Pacificon. The county won't be the same after Pacificon. Call in the sheriff and the posse hombre. You are gonna need the help.

FYI

--

Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

-----

Date: Wed, 03 Feb 1999 15:33:07 -0700  
From: John Evans - N0HJ <jaevans@codenet.net>  
To: qrp-l@lehigh.edu  
Subject: [31954] Sierra 160m module questions  
Message-ID: <36B8CEA3.D4B48430@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings,

Has anyone built a 160m module for the Sierra. If so, I'd like to share experiences and ask a few questions. My Sierra is the stock Norcal version (so far) and the 160m module was built to the specs in the original Norcal manual. The module seems to tune up just fine and receive is fine but power output is low and only exists on a small portion of the band.

tnx es 72 - john - n0hj

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John A. Evans, N0HJ                      Chief Systems Administrator  
Office: (719) 528-1800 x164            Titan Software Systems  
Fax:     (719) 528-1888                1115 Elkton Drive, Suite 200  
email:   jaevans@cos.cst.titan.com   Colorado Springs, CO 80907-3535  
-----

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045  
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184  
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>  
-----

-----  
Date: Wed, 03 Feb 99 16:39:13 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>  
Cc: qrp <qrp-1@lehigh.edu>  
Subject: [31955] Re: NorCal 20 Posts  
Message-ID: <E108AuU-0001R9-00@smtp.ticnet.com>

Doug,

Congrats on the fine work and I too enjoy all the posts on the NC20, even if it is "got here" or "built" or whatever. What is more important is the "need help" and I'm sure that some postings are "wake up" calls to future builders that they need to pay particular attention when they get to "this section".

So gang, keep them posts a flying.

I have a question Doug and the rest of the gang is probably interested. Some people count sheep to get to sleep. I would imagine about bed time you don't want to count anything. :-). Did you require absolute quiet when packing? Inquiring minds wanna know. :-)

I saw all the crystals at one time? Anyone else besides you and JoAnn see all the parts in one place?

I too will be on for FYBO with the NC20 at the lakeside here in Big-D. Hope to be your first 2xNC20 Q.

dit dit es take some time off

: -)

--

Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

-----

Date: Wed, 3 Feb 1999 14:38:21 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [31956] Fw: Lemon power  
Message-ID: <19990203223745.GEVP22360@default>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

>  
> At 10:31 AM 2/3/99 -0800, you wrote:  
> >QST had a piece on this a couple or three years ago -- including small  
> >transmitter which ran on lemon power. Talk about QRP!  
> >  
> >Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org  
> ><http://home.att.net/~alan.kaul/index.html> or  
> ><http://home.att.net/~alan.kaul/qrp.html>

-----

> From: Robert Parks <rob3ert@vegas.infi.net>  
> To: alan.kaul@worldnet.att.net  
> Subject: Re: Lemon power  
> Date: Wednesday, February 03, 1999 12:05 PM  
>  
> March, 1992!!! Pages 18 & 19.  
> 72/73  
>  
> Bob Parks  
> K6AEC (Las Vegas, NV)

I thought it was 2-3 years ago in QST..... wow! A mind isw a terrible  
thing  
to waste!  
72/73 de alan

-----

Date: Wed, 3 Feb 1999 14:44:51 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [31957] Fw: ARLD005 New DXCC Entity Added  
Message-ID: <19990203224415.GHBP22360@default>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Who'll be the first to work a brand new country with the NC20?

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/index.html> or  
<http://home.att.net/~alan.kaul/qrp.html>

-----  
> From: ARRL Members Only Web site <memberlist@p1k.arrl.org>  
> To:  
> SB DX @ ARL \$ARLD005  
> ARLD005 New DXCC Entity Added  
>  
> DX Bulletin 5 ARLD005  
> From ARRL Headquarters  
> Newington CT February 3, 1999  
> To all radio amateurs  
>  
> The International Telecommunication Union, in its Operational  
> Bulletin No. 685 of February 1, 1999, has allocated the callsign  
> prefix E4 for use by Palestine. This is in accordance with the  
> Resolution PLEN/3 of the Plenipotentiary Conference of the ITU held  
> in Minneapolis, Minnesota in 1998.  
>  
> Under the current DXCC List Criteria, Section 1, this callsign  
> allocation meets the requirement of paragraph b.  
>  
> Palestine will be added to the DXCC List effective October 1, 1999.  
> Contacts made with E4 stations after February 1, 1999, will count  
> for this new entity.  
>  
> Under the DXCC rules, contacts with the deleted entity of Palestine  
> made prior to June 30, 1968 do not count for this entity. There is  
> no commonality of territory or administration.  
> NNNN  
> /EX  
  
-----

Date: Wed, 3 Feb 1999 22:36:13 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31958] County Hunter Net Procedures  
Message-ID: <19990203.224340.4318.0.wd3p@juno.com>

OK here is a rundown of how the county hunter CW net operates. The phone net is not that different .

Try out the county hunters net. It is most active on weekends but there are frequently guys out during the week. Most of the activity is during daylight hours and seems to taper off about 2200z. It is a great place to work states and you get multiple chances as the guy drives across the state. You can try lower power levels with each county he runs. I have found that if the s meter on my TS570s says 559 I can almost always get the mobile direct at half a watt. If it is 599 I can get him direct at 30 mWatts.

Freq: 14.056.5 is the primary frequency. If they say QSY to 40 meters they are going to 7.039. While not heard to often they do QSY to 15 Meters on 21.056.5.

To give you an idea of what can be done on the net, while not QRP, I have worked mobiles on 20 Meters in over 3,050 of the 3,076 counties in the country.

There are two types of QSOs that take place on the net, the direct QSOs and the relays. You decide if the relays meet your standards. They are accepted practice for the USA-CA award. Although there are some who will not use relays. Please let's not start a thread on QRP-L on the appropriateness of relays.

The net is usually free running, meaning there is often no net control; but there is usually someone around to help out when needed. The net is intended for mobiles to run counties as they travel around the county. These guys are for the most part good CW ops and have very good ears. They are used to pulling out weak signals as they get practice with it in just about every county they run. I have several 30,000+ mile per watt direct QSO with these guys using nothing more than a dipole.

The net procedure runs something like this: The mobile checks in. How this is done depends on if there is a net control or someone on hand who jumps in to help out. But in general you will hear "chn de WD3P/M Prince Georges MD QRZ." Send you call once and only once. i.e. "KB3BUR." He will come back "KB3BUR ur 559 559 k." You are expected to verify the signal report you got from the mobile. So the reply would be something of the form "r 559 ur 579 tu." The mobile will then verify what he got with

something like "r 579 tu QRZ." Only after both stations verify the others signal report is it considered a good QS0. The mobiles do tend to bend this a bit with new stations that show up and don't seem to know the procedure.

Relays - This is where you decide if you want to use them or not. The guys helping out on the net can be so helpful at times that it is difficult to avoid relays. They do tend to jump in when they sense that you are having trouble copying each other. In general after the mobile has copied all the stations he can hear reliably he will say "any QSP." This is where the net control jumps back in or some helpful soul jumps in. You will hear something like. "chn any QSP for WD3P/M in prince georges md QSP." Give you call once. When recognized you will hear "KB3BUR rst." your answer is of the form "r 229 229 229 k." The rst is repeated to give mobile a chance to copy it. The net control will send a simple "k." The mobile will verify what you sent and send your signal report. So you should hear "r 229 ur 339 339 339 k." Net control will send "k." That is you signal to verify what you heard. So the reply is "r 339 tu." If all is well the net control will say "gud QSP," looking for more relays. If one of you didn't copy the other correctly follow the directions of the net control, don't jump in and try to correct it yourself you will only confuse everyone. If the mobile has trouble hearing you he will say "agn." You can do the same. If there is an error in what either of you copied you are permitted a second chance. No Third tries. That is considered guessing. If you get confused or just want to give up a simple QTA on your turn cuts off the QS0. That is the Q signal for "I give up."

I will add that running QRP you will in general hear everything that the mobile sends to you, so you will know if he copied you correctly on a relay. If you want to be sure he gets your report correct on a relay and does not make a lucky guess send something other the 229 or 339 for the rst. The relay assistance will be needed for him to copy you. The relay is intended to pass along only the call and the QTH. If you think that passing the call is an essential part of a QS0 then don't use relays.

Have fun working them QRPp, 73 de Larry.....WD3P in MD  
Three states down - 1.5 Watts total power - 47 to go.

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---



Date: Wed, 3 Feb 1999 17:57:23 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [31959] FW: Lemon power  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA363A415@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

I think there such be a limit on the SIZE of the fruit used for QRP. ;-)

Lemons are good for QRP .  
Grapefruits would be for QR0.  
Maybe exotic fruits for the DX stations ;-)

I thinking about what kind of plastic container I can use to hold the fruit  
so the acid won't eat up my backpack.

BTW On my post earlier today , Jim KJ5TF is in Arkansas AR (not Alaska AK)  
but he WAS 3mW. Sorry about the typo I was excited.

Sam Billingsley AE4GX Atlanta,GA

-----  
Date: Wed, 3 Feb 1999 17:56:15 -0500  
From: "Rich Clemens" <clemens@wvwc.edu>  
To: <Brett.Gazdzinski@mci.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31960] Re: Lemon power  
Message-ID: <008d01be4fc8\$67391400\$d401010a@kiwi770.wvwc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The QST Lemon power event was between W8WVM and KB8AOB (yours truly) using a  
very low voltage transistor in our transmitters. Great Fun!

--

Richard Clemens, KB8AOB  
Associate Professor  
Computer Science Department  
West Virginia Wesleyan College  
Buckhannon, West Virginia 26201  
clemens@wvwc.edu

304.473.8421

-----Original Message-----

From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Wednesday, February 03, 1999 8:56 AM  
Subject: Lemon power

>Hello all QRP lovers!  
>As far as the lemon thing goes, I suppose you could parallel and series  
>up the fruit. Surely you could put more strips in each lemon, and get  
>a whole bunch of lemons, each with 6 or 8 strips.  
>Anyone ever power a qrp rig with breakfast?  
>Might there be bonus points on field day for a healthy, all natural  
>power source?  
>  
>Just think about the latent power of a pineapple, just waiting to be  
>tapped.....  
>  
>Brett  
>N2DTS

-----  
Date: Wed, 3 Feb 1999 15:08:35 -0800  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31961] Lemon-powered K2 ?!!  
Message-ID: <199902032305.PAA10473@proxy3.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I'm working on it :-) All this talk about lemon batteries inspired me to build a 4-cell lemon batt, using "scrap" lemons from the tree in my front yard (6-Land). I was amazed that I could light up a LED !! No-load voltage = 3.68 volts. Test under load, V = 1.55 volts, I = 16mA. I was using one of the clear jumbo LEDs from RS... part number escapes me. So, Is 5 watt QRP lemon-power possible? I think so.... I need to refine my batts to get more current. Office paper clips and scraps of double-sided PC

board work for the electrodes, but zinc & copper will probably yield more current.

Lemon cell schematic follows:

- () + - () + - () + - () +

Now, about my K2 kit.... I'm working on it !! I've been swamped with "real work" and that's slowing things down a bit. I'll update on K2 progress as soon as possible. But, I'll wager that someone -- maybe me -- will work a coast-to-coast QSO on a lemon-powered K2 :-)

Film at 11:00,

72 - Conrad Weiss - NN6CW

-----  
Date: Wed, 3 Feb 1999 23:16:34 +0000  
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, wphinizy@connect3.com  
Subject: [31962] Re:  
Message-ID: <E108BU0-0006At-00@pa.scotland.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

It works for me, although the link to the Popcorn Superhet does not work, have emailed the site.

...

Frank G3YCC  
email: g3ycc@g3ycc.prestel.co.uk  
QRP Web Site: <http://www.homeusers.prestel.co.uk/g3ycc/index.html>

-----  
Date: Wed, 3 Feb 1999 16:22:20 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: SBillingsley@usaninc.com (Sam Billingsley)  
Cc: qrp-l@lehigh.edu  
Subject: [31963] Re: Lemon power  
Message-ID: <199902032322.QAA07968@usr05.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Sam (AE4GX) wrote:

>

> I think there such be a limit on the SIZE of the fruit used for QRP. ;-)

See! ROTFL! :-) ;-)

> Lemons are good for QRP .

> Grapefruits would be for QR0.

> Maybe exotic fruits for the DX stations! ;-)

Kumquats for QRPp! \*8-) Seriously, I may have  
to try that one out.... I \*think\* it's a citrus.  
Just need to borrow a 49er....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <[www.extremezone.com/~ki7mn](http://www.extremezone.com/~ki7mn)>

-----  
Date: Wed, 03 Feb 1999 18:35:36 -0500  
From: ntan <[ntan@crosslink.net](mailto:ntan@crosslink.net)>  
To: QRP-L <[qrp-l@lehigh.EDU](mailto:qrp-l@lehigh.EDU)>  
Subject: [31964] Optimized xcvr??  
Message-ID: <[36B8DD40.5F72DD03@crosslink.net](mailto:36B8DD40.5F72DD03@crosslink.net)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just wondered if anyone on the List has h-brewed Roy Lewallens, W7EL,  
optimized QRP xcvr described in Aug.'80 QST for 30m? If so, what did  
they think of the rx portion? Of the rig overall? Thanks es Keep it  
LOW. Neil WA4CHQ

-----  
Date: Wed, 3 Feb 1999 15:53:06 -0800  
From: "Michael A. Gipe" <[mgipe@reliablemeters.com](mailto:mgipe@reliablemeters.com)>

To: "Steve Sorrell" <ap036@detroit.freenet.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31965] Re: Fox alert! Thursday night  
Message-ID: <0d2601be4fd0\$5b1b9a00\$140a0a0a@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

This is NOT a drill. Repeat, this is NOT a drill.

The fox WILL be appearing on Thursday evening.

Fox hunters are instructed to show up on 40 meters between 0100 and 0300Z to catch the K1MG fox.

Be there or be peltless!

Mike K1MG  
Saratoga, CA

>This is not a trick, you are really gonna show up, right Mike :-)  
>de Steve, W8SFF

-----  
End of QRP-L Digest 1356

\*\*\*\*\*